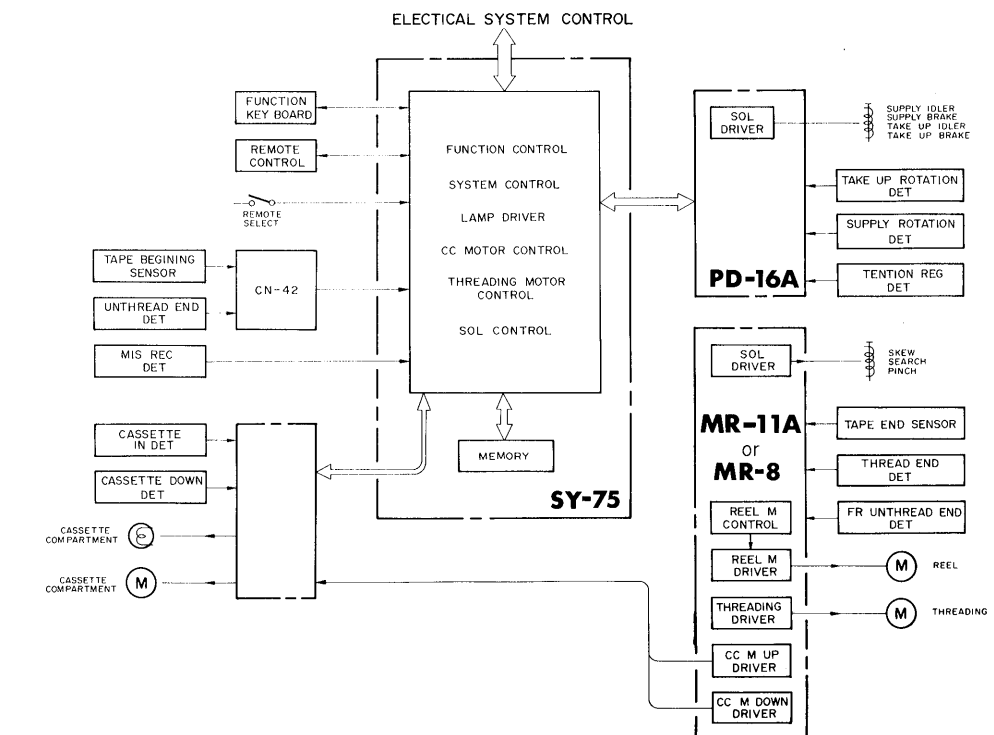
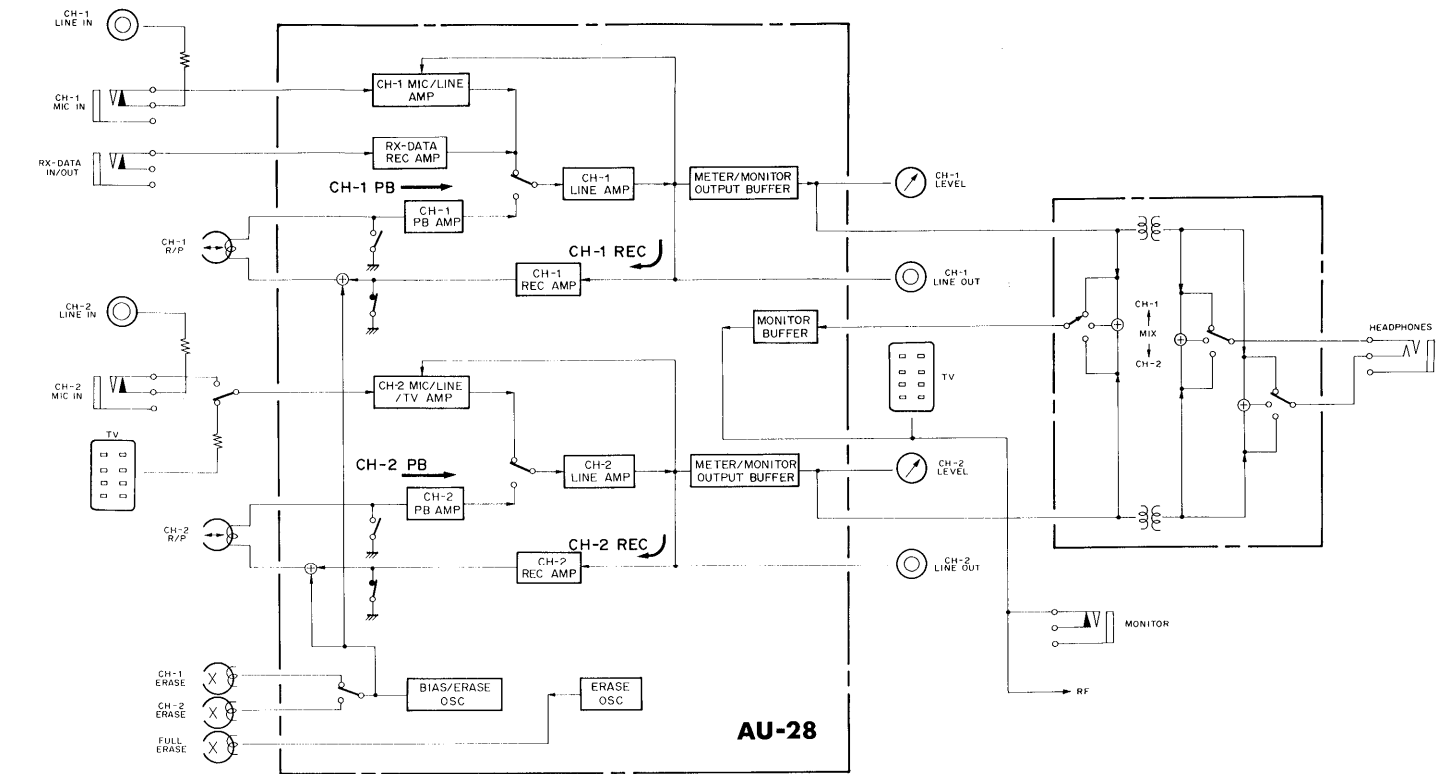
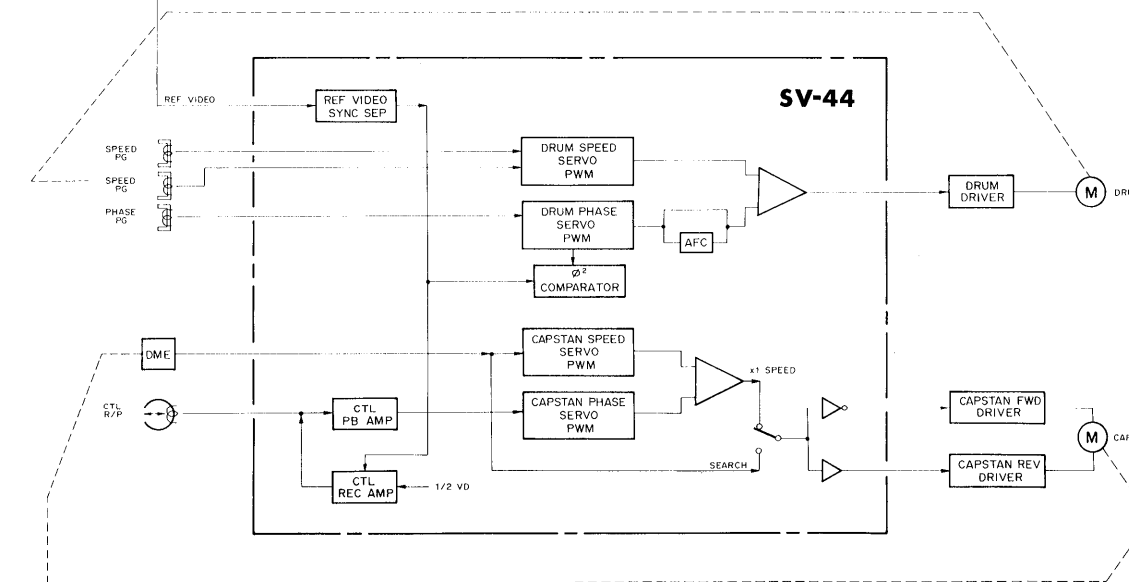
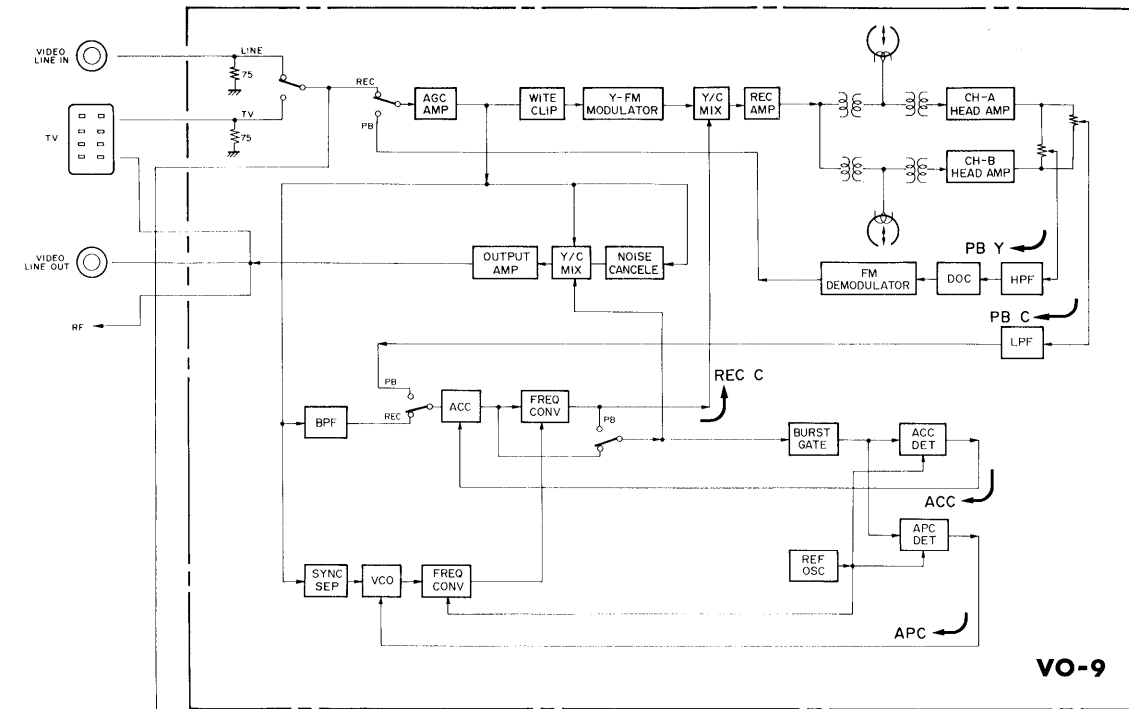


CIRCUIT FUNCTION OF THE PRINTED CIRCUIT BOARD

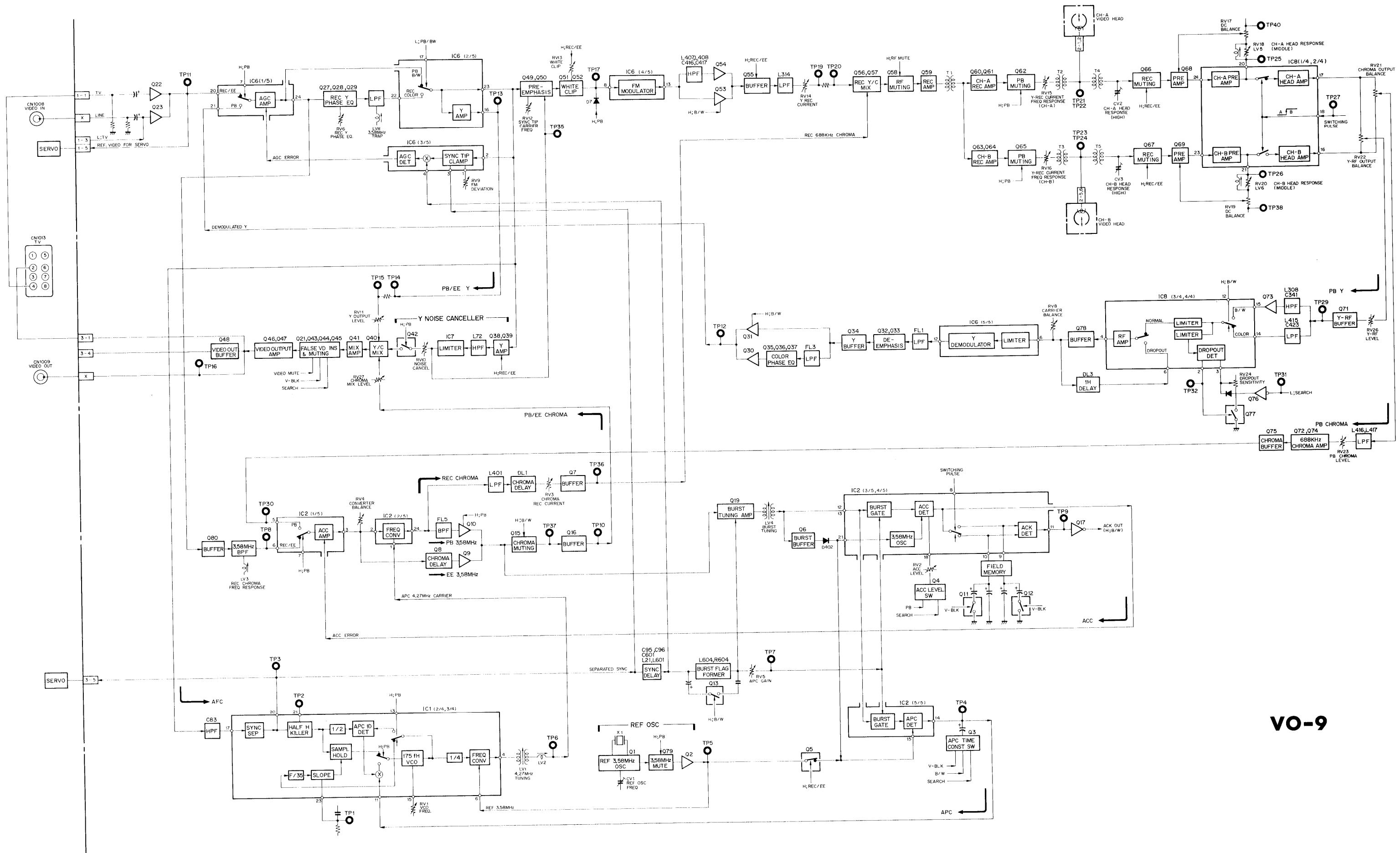
The Circuit Board Information is Provided Below

SYSTEM	BOARD	CIRCUIT FUNCTION
VIDEO	VO-9	*Luminance and Chrominance Signal Modulator/Demodulator
AUDIO	AH-3	*Audio REC/PB/ERASE and CTL REC/PB Head
	AU-28	*Audio REC/PB Amplifier
		*Bias/Erase Oscillator
	EC-19	*Full Erase Head
	HP-6	*Headphones Jack/Level Control
	MC-14	*Audio Meter/Level and Tracking Control
	MI-5	*CH-1/CH-2 Mic Input
SERVO	DR-17	*Drum/Capstan Driver
	SV-44	*Drum/Capstan Speed and Phase PWM Servo
POWER	AC-26	*AC input
	DC-13	*Power Supply/Regulator
	UR-01	*Switching Regulator
SYSTEM CONTROL	CC-9	*Cassette Compartment Motor/Pilot Lamp
	CC-10	*Cassette In Detector
	CC-11	*Cassette Down Detector
	CN-42	*Connection Board
	FR-11	*Threading Ring Mechanical Position Detector
	KY-21	*Function Key Board
		*Display Driver
		*Mode/Input/Monitor Select
	LM-9	*Threading Motor
	MR-8	*Threading/CC Motor Driver
	MR-11A	*Reel Motor Control/Driver
		*Skew/Search/Pinch Solenoid Driver
	PD-16A	*Take up Idler/Brake
		*Supply Idler/Brake Driver
	PH-4	*Tension Regulator
	PH-5	*Tape End/Tape Beginning Sensor
	PT-9	*Reel Motor Power Driver
	SW-43	*Supply/Take up Rotation Detector
SW-46	*Miss Rec Detector	
SW-50	*FR Unthread End Detector	
SY-75	*System Control	

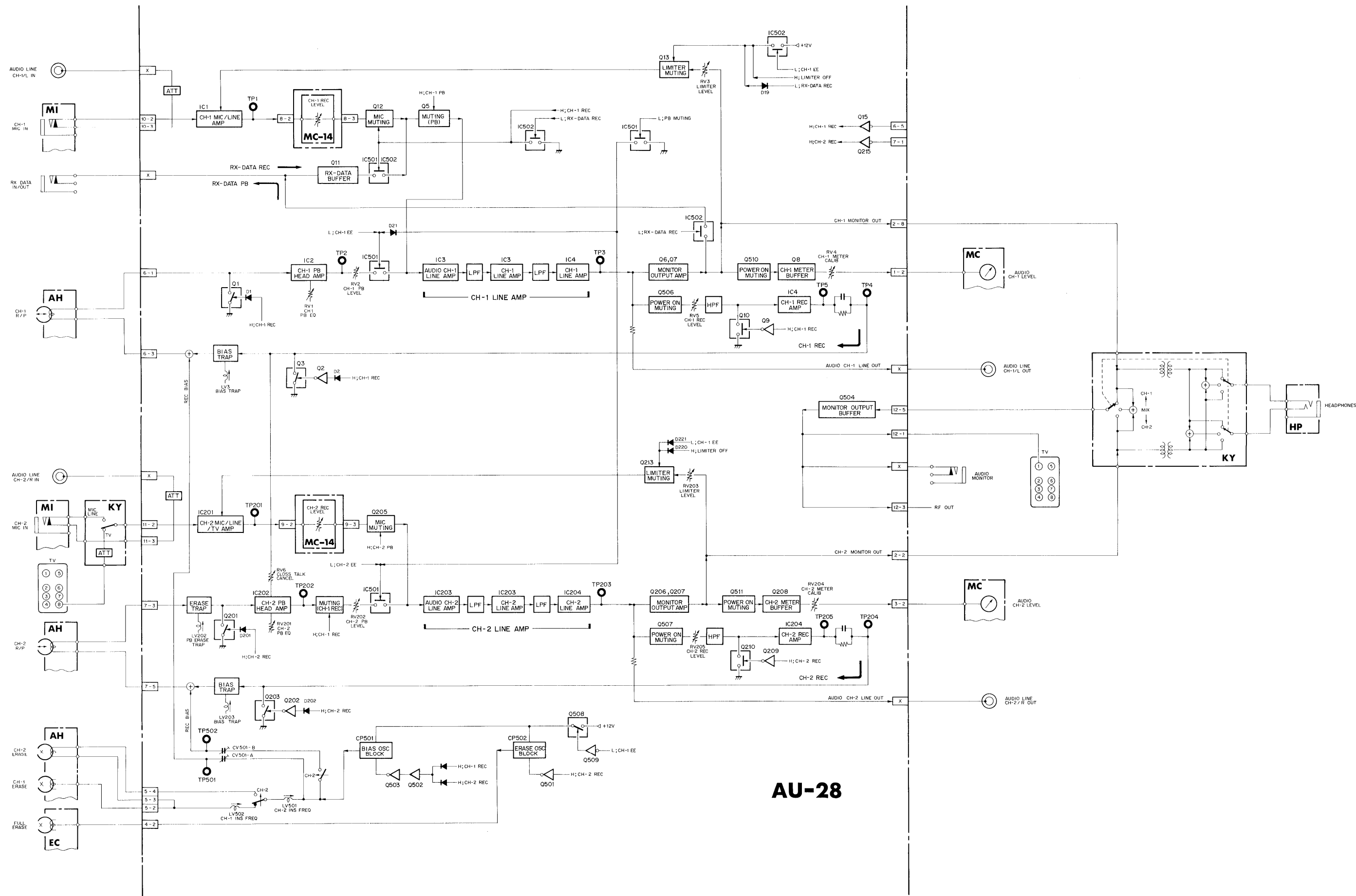
OVERALL BLOCK DIAGRAM



VO-9

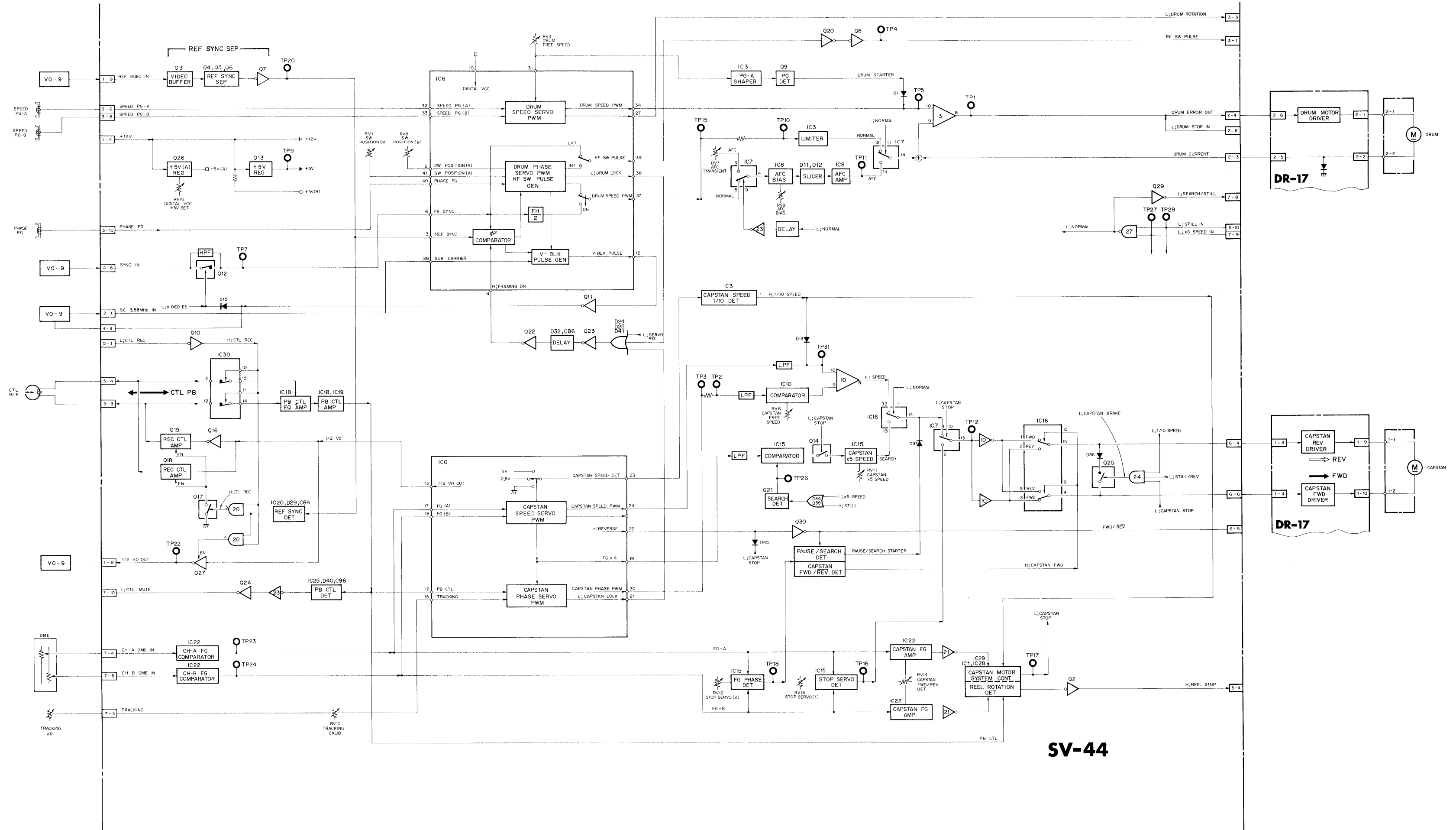


AUDIO SYSTEM BLOCK DIAGRAM



AU-28

TP4

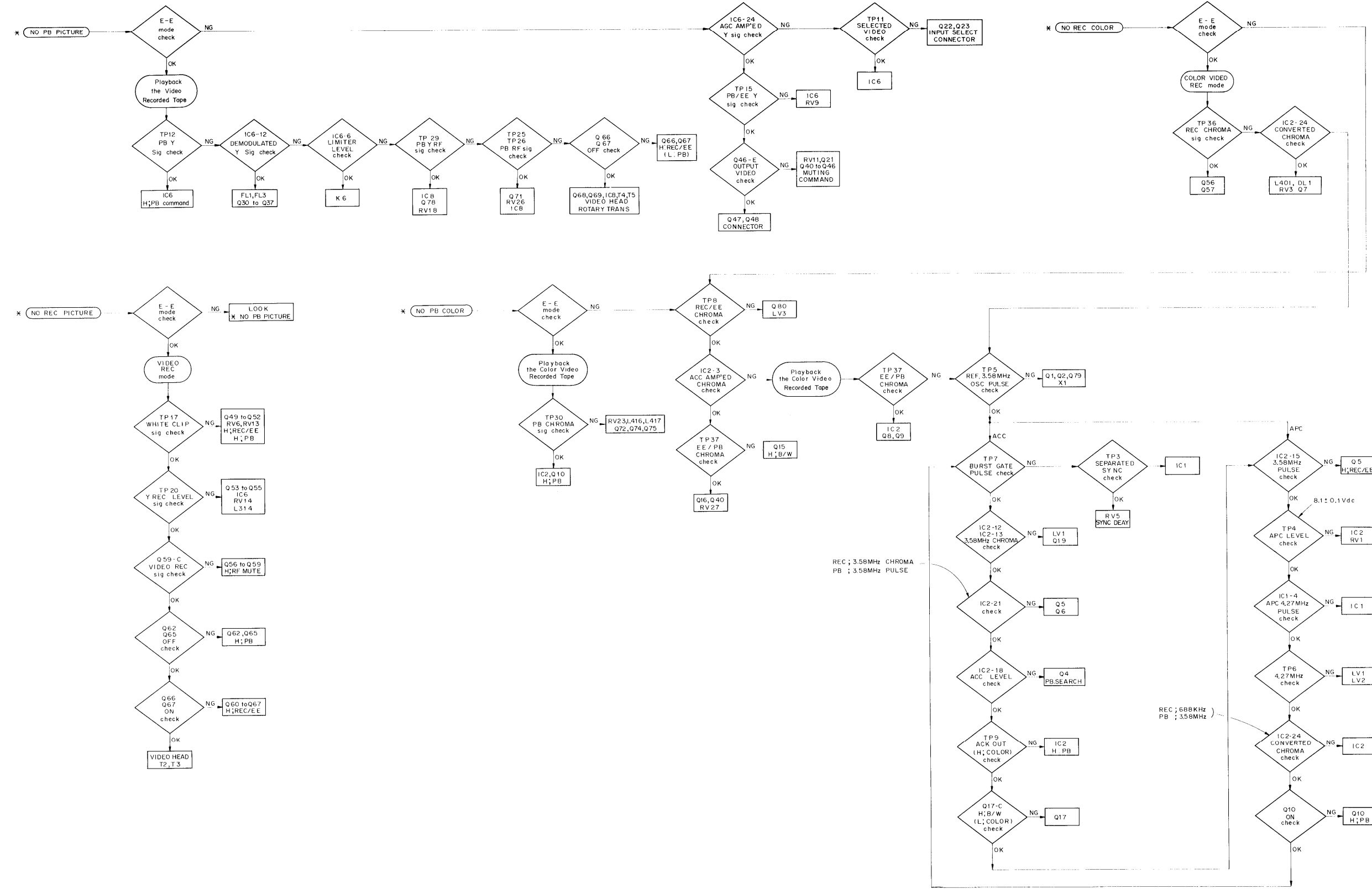


VIDEO FLOW CHART

SECTION 13 FLOW CHART

VIDEO SYSTEM FLOW CHART

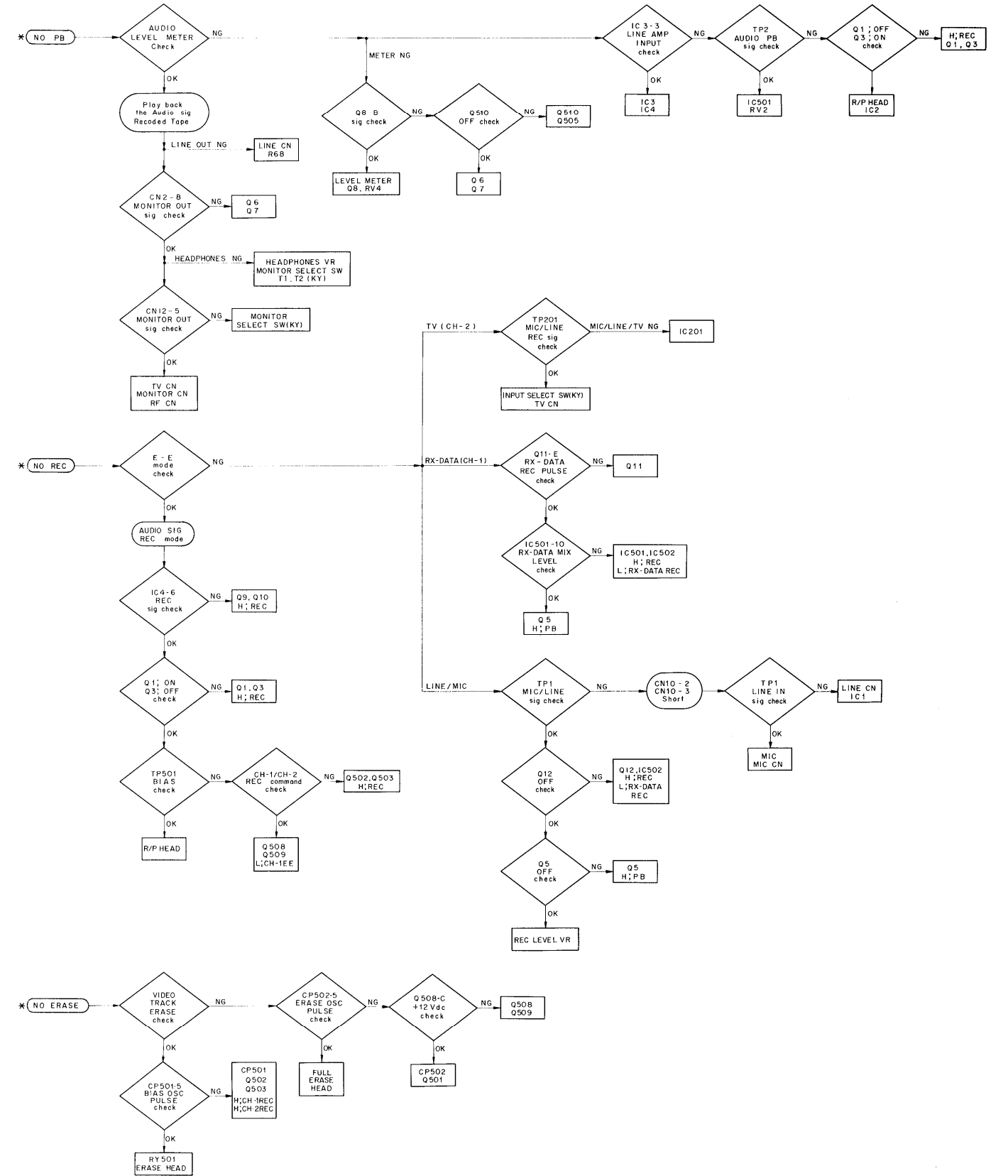
CONDITION: CLEAN THE VIDEO HEAD
NORMAL SERVO SYSTEM



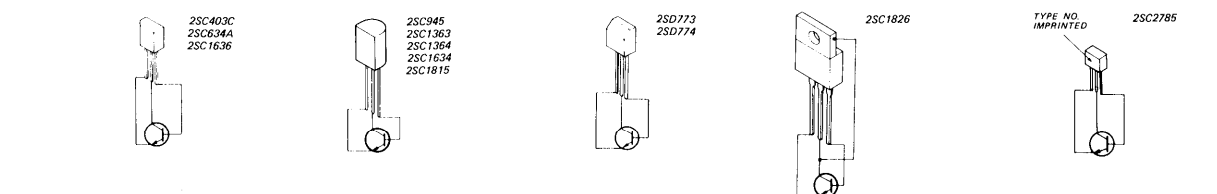
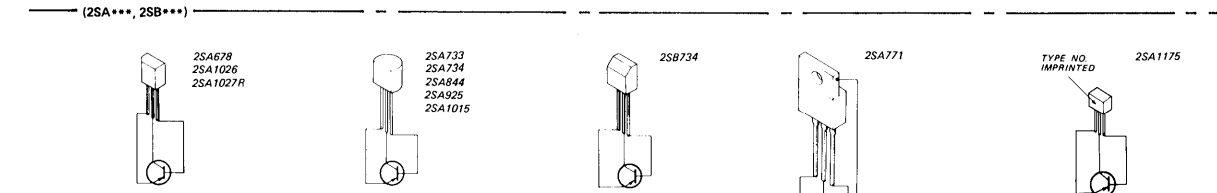
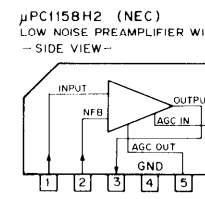
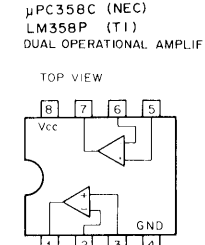
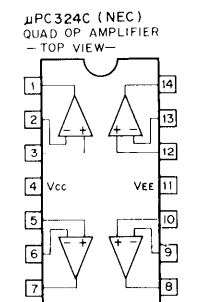
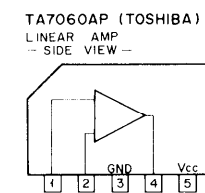
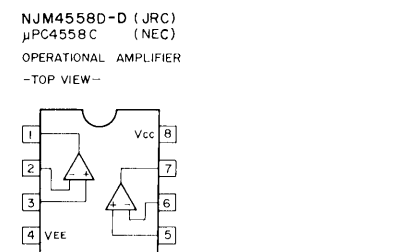
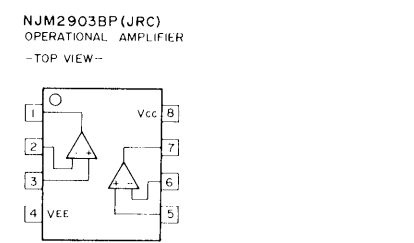
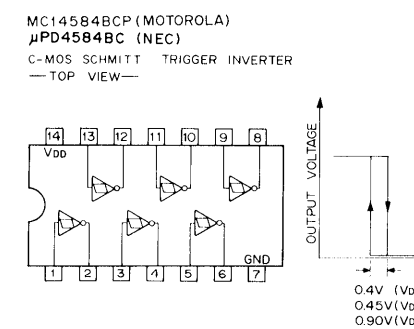
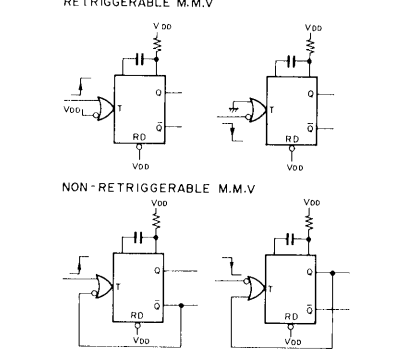
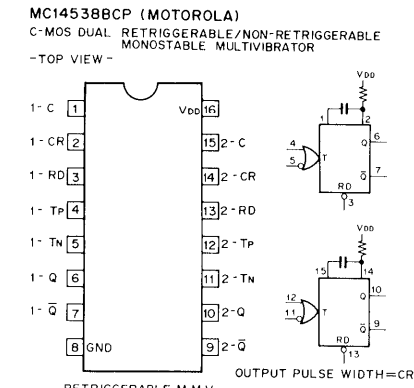
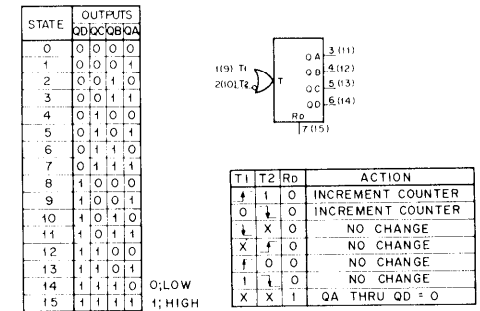
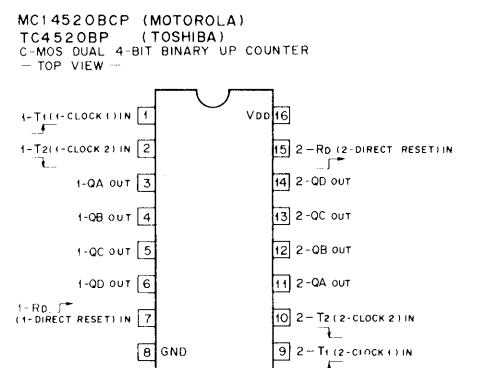
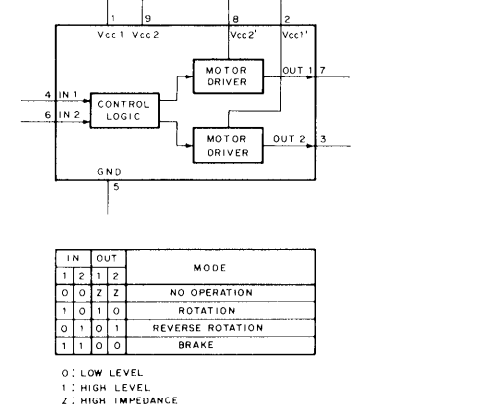
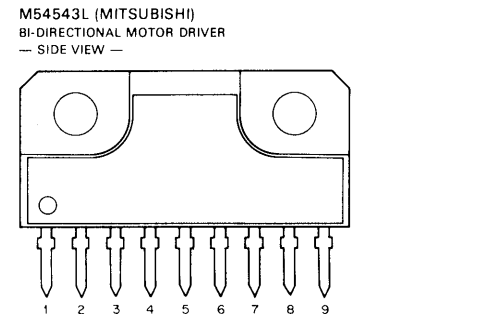
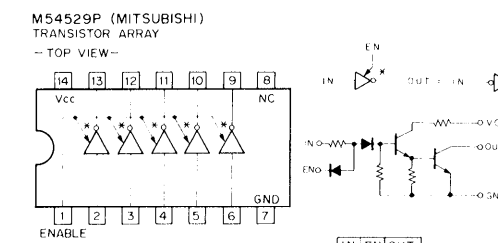
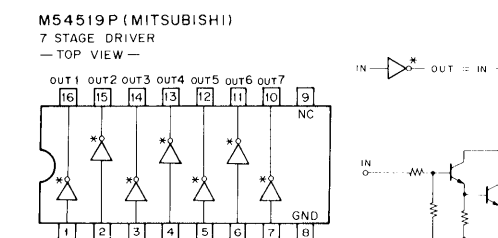
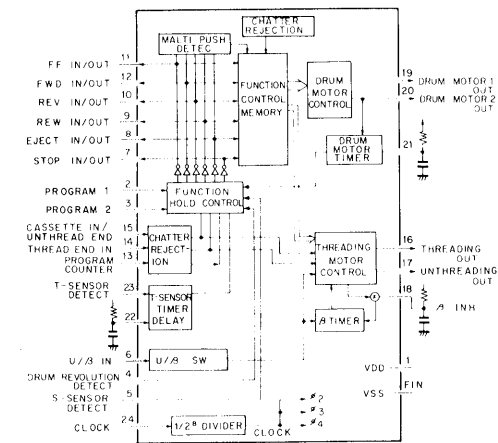
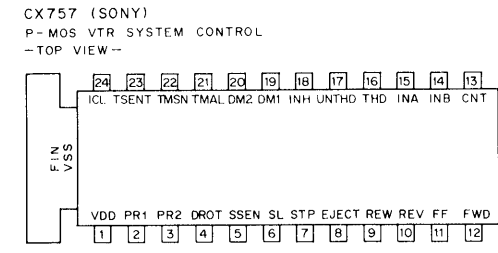
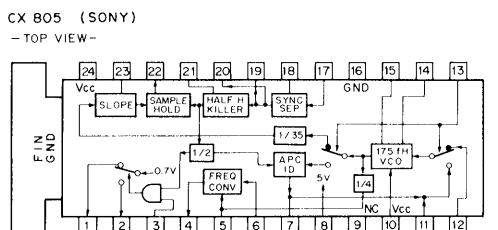
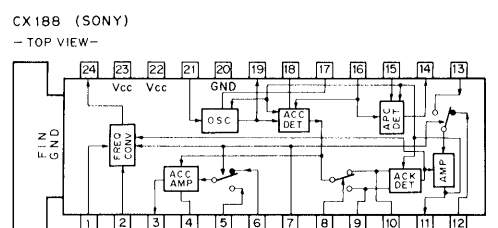
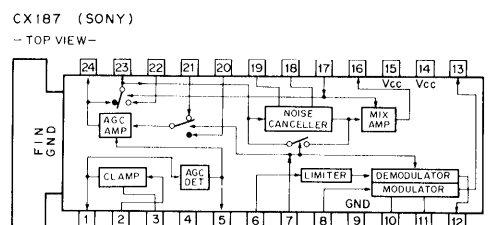
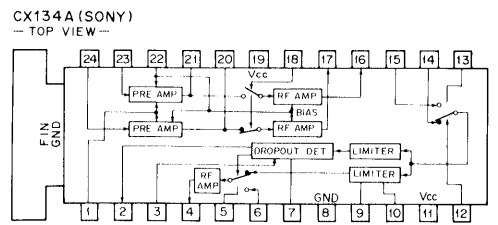
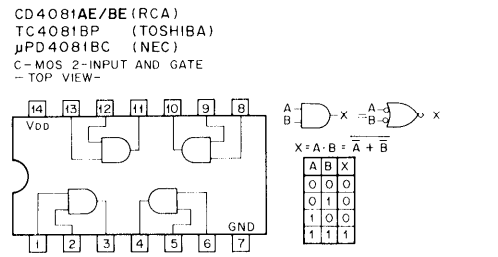
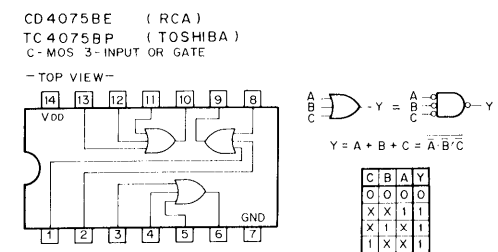
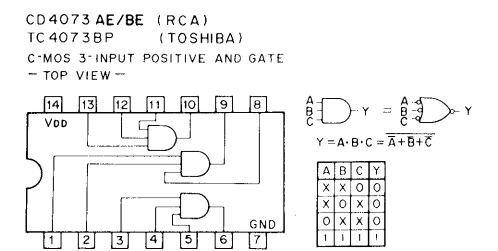
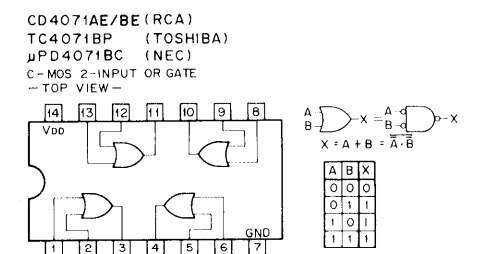
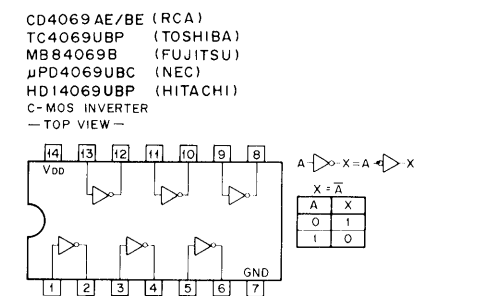
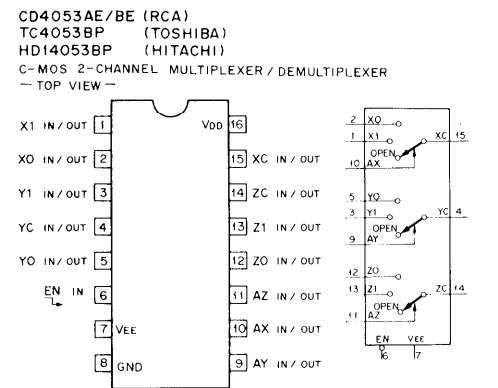
AUDIO FLOW CHART

AUDIO FLOW CHART

CONDITION: CLEAN THE AUDIO HEAD



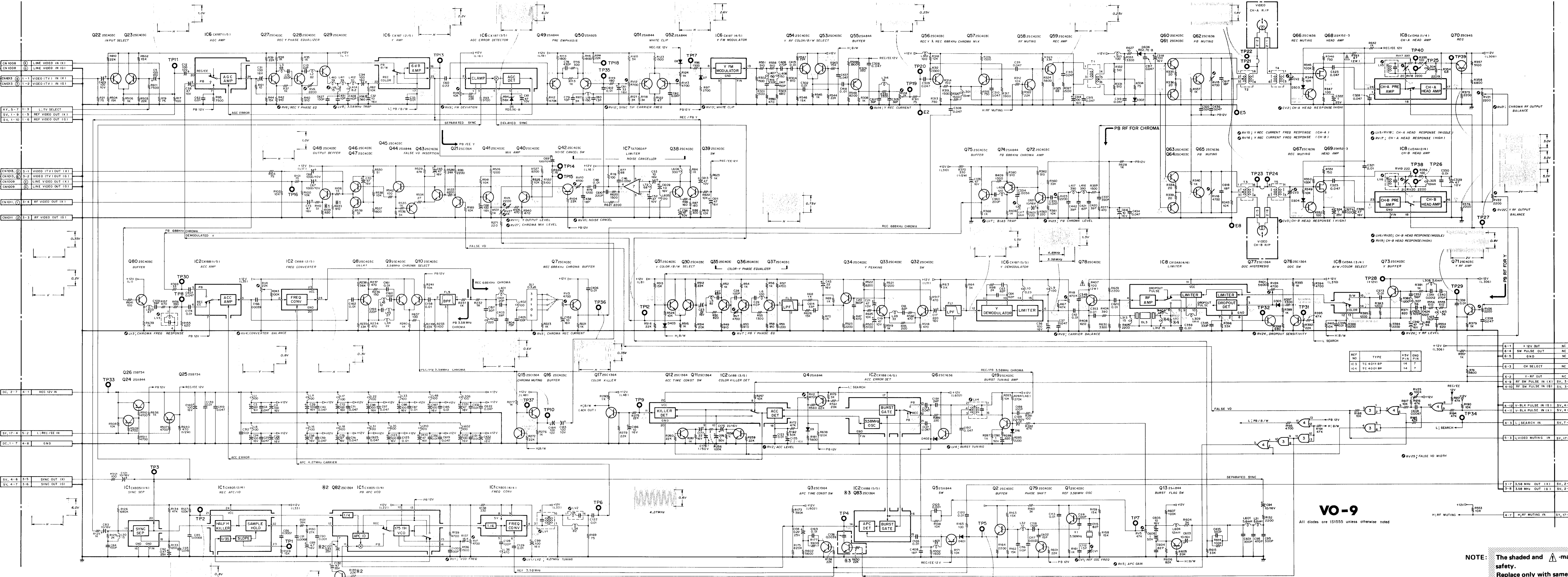
SERVO FLOW CHART




VO-9
(VIDEO MOD/DEMODULATOR)
DS-14

NOTE:

MARK	CHANGE INFORMATION	SERIAL NO.
X1	R100 220K → 300K R633 1K → 910	U/C: 17451- J: 10701-
X2	C137 0.33/25 ADDED R135 22K ADDED R464 22K DELETED Q87 25C1364 DELETED Q87 25C1364 ADDED	U/C: 18451- J: 10701-
X3	R650 22K ADDED C85 25C1364 ADDED	U/C: 22351- J: 11301-
X4	R402 270 → 680 R403 120 DELETED (SHORT)	U/C: 41201- J: 12401-

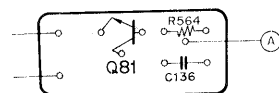
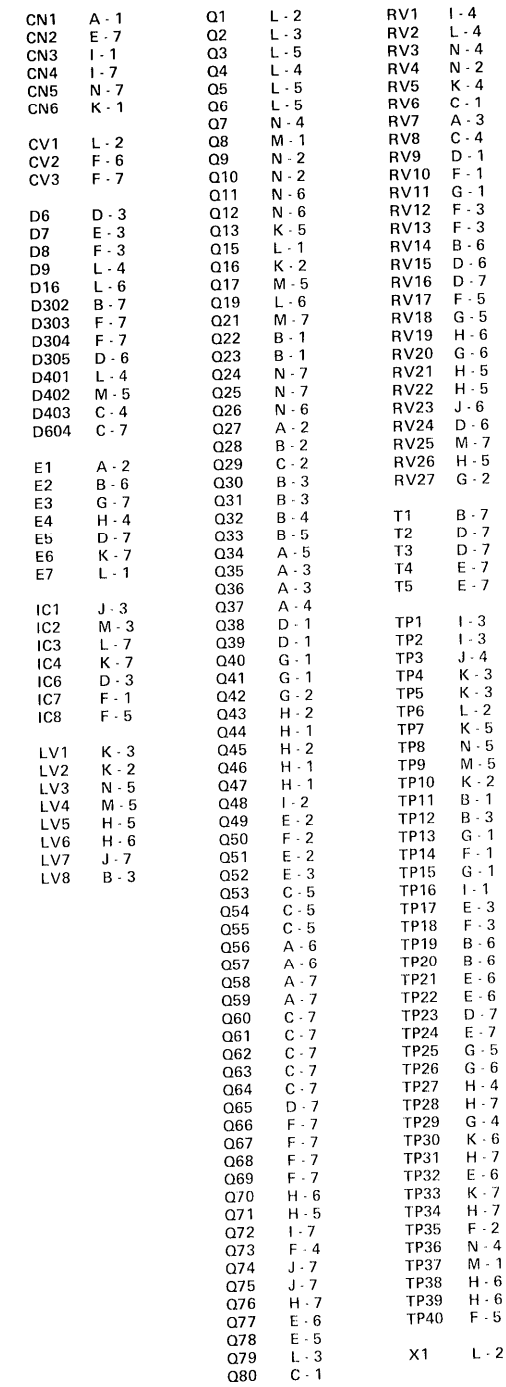


VO-9
All diodes are 1S1555 unless otherwise noted

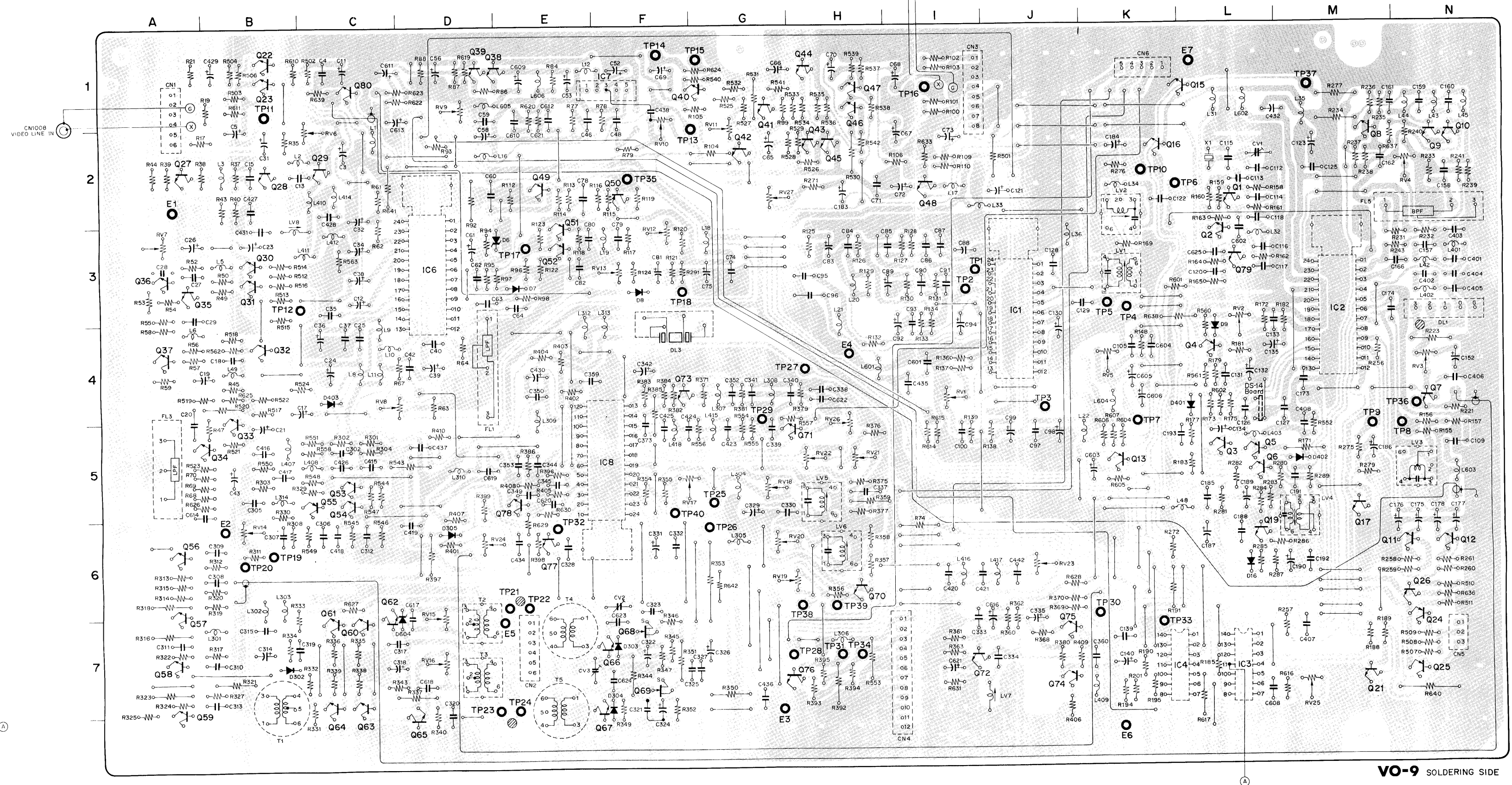
NOTE: The shaded and  marked components are critical to safety. Replace only with same components as specified.

VO-9
(VIDEO MOD/DEMODULATOR)
DS-14

UP TO 12050 (U/C)



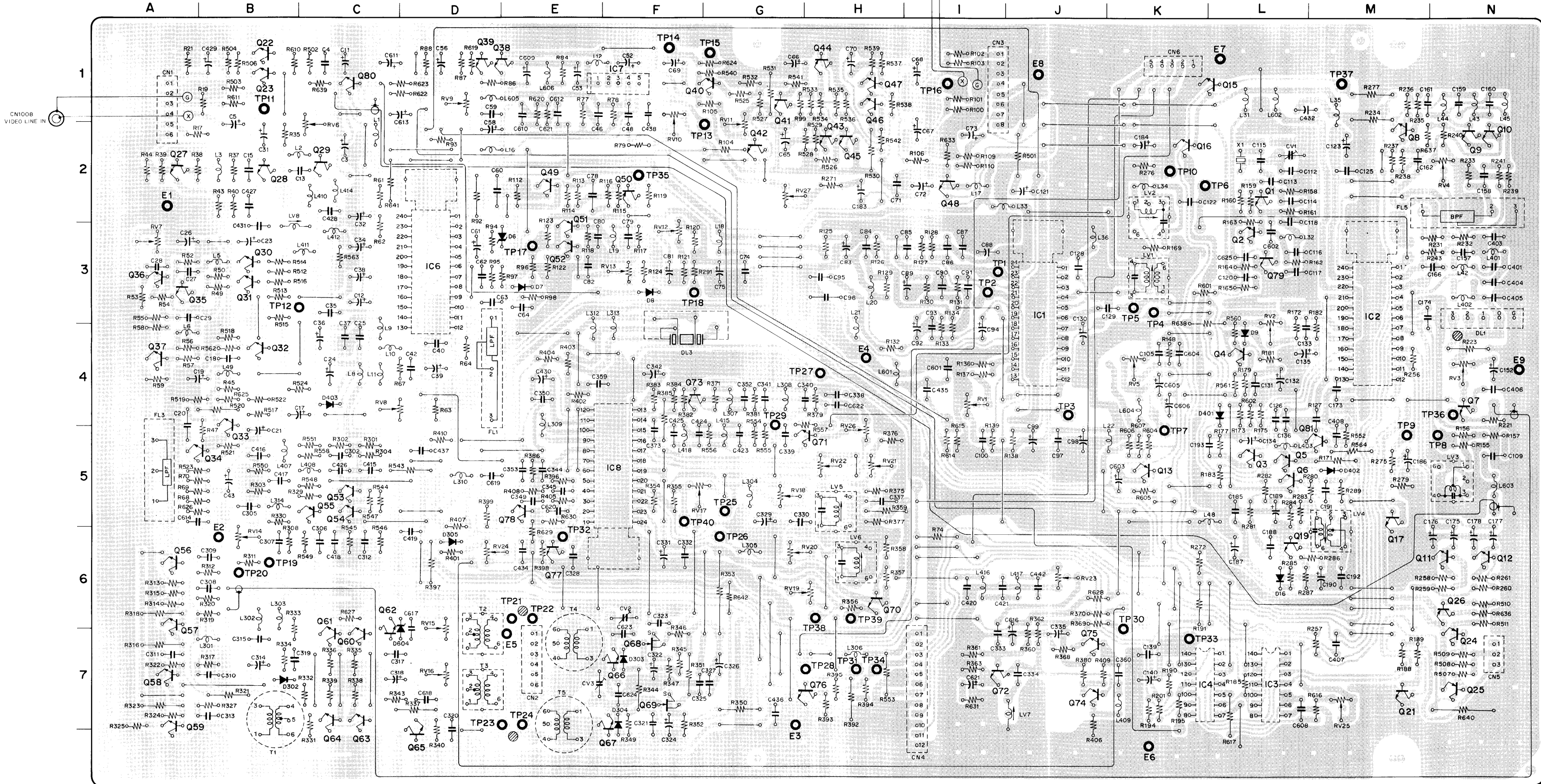
DS-14
-SOLDERING SIDE-

**VO-9** SOLDERING SIDE

VO-9
(VIDEO MOD/DEMODULATOR)

12051 TO 18450 (U/C)

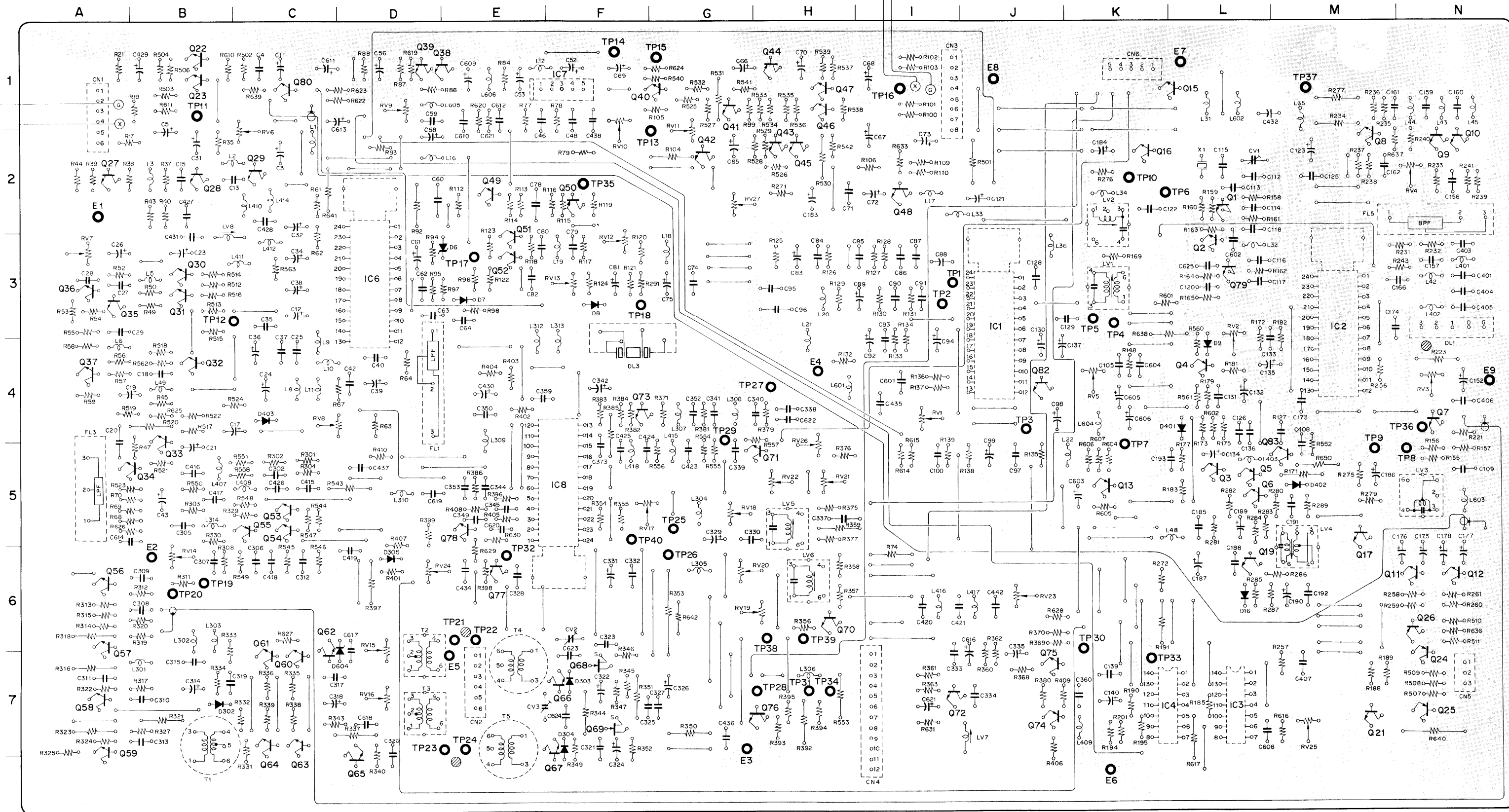
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CN2	E-7	Q2	L-3	RV2	L-4
CN3	I-1	Q3	L-5	RV3	N-4
CN4	I-7	Q4	L-4	RV4	N-2
CN5	N-7	Q5	L-5	RV5	K-4
CN6	K-1	Q6	L-5	RV6	C-1
		Q7	N-4	RV7	A-3
CV1	L-2	Q8	M-1	RV8	C-4
CV2	F-6	Q9	N-2	RV9	D-1
CV3	F-7	Q10	N-2	RV10	F-1
		Q11	N-6	RV11	G-1
D6	D-3	Q12	N-6	RV12	F-3
D7	E-3	Q13	K-5	RV13	F-3
D8	F-3	Q14	L-1	RV14	B-6
D9	L-4	Q15	K-2	RV15	D-6
D16	L-6	Q16	M-5	RV16	D-7
D302	B-7	Q17	L-6	RV17	F-5
D303	F-7	Q18	M-7	RV18	G-5
D304	F-7	Q19	B-1	RV19	H-6
D305	D-6	Q20	B-1	RV20	G-6
D401	L-4	Q21	N-7	RV21	H-5
D402	M-5	Q22	N-7	RV22	H-5
D403	C-4	Q23	N-6	RV23	J-6
D604	C-7	Q24	A-2	RV24	D-6
		Q25	B-2	RV25	M-7
E1	A-2	Q26	C-2	RV26	H-5
E2	B-6	Q27	B-3	RV27	G-2
E3	G-7	Q28	B-3		
E4	H-4	Q29	B-4	T1	B-7
E5	D-7	Q30	B-5	T2	D-7
E6	K-7	Q31	B-5	T3	D-7
E7	L-1	Q32	A-5	T4	E-7
E8	J-1	Q33	A-3	T5	E-7
E9	N-4	Q34	A-4		
		Q35	D-1	TP1	I-3
IC1	J-3	Q36	D-1	TP2	I-3
IC2	M-3	Q37	G-1	TP3	J-4
IC3	L-7	Q38	G-1	TP4	K-3
IC4	K-7	Q39	G-2	TP5	K-3
IC6	D-3	Q40	H-2	TP6	L-2
IC7	F-1	Q41	H-1	TP7	K-5
IC8	F-5	Q42	H-2	TP8	M-5
		Q43	H-1	TP9	K-2
LV1	K-3	Q44	H-1	TP10	K-2
LV2	K-2	Q45	H-1	TP11	B-1
LV3	N-5	Q46	H-1	TP12	B-3
LV4	M-5	Q47	H-1	TP13	G-1
LV5	H-5	Q48	I-2	TP14	F-1
LV6	H-6	Q49	E-2	TP15	G-1
LV7	J-7	Q50	F-2	TP16	I-1
LV8	B-3	Q51	E-2	TP17	E-3
		Q52	E-3	TP18	F-3
		Q53	C-5	TP19	B-6
		Q54	C-5	TP20	B-6
		Q55	C-5	TP21	E-6
		Q56	A-6	TP22	E-6
		Q57	A-6	TP23	D-7
		Q58	A-7	TP24	E-7
		Q59	A-7	TP25	G-5
		Q60	C-7	TP26	G-6
		Q61	C-7	TP27	H-4
		Q62	C-7	TP28	H-7
		Q63	C-7	TP29	G-4
		Q64	C-7	TP30	K-6
		Q65	D-7	TP31	H-7
		Q66	F-7	TP32	E-6
		Q67	F-7	TP33	K-7
		Q68	F-7	TP34	H-7
		Q69	F-7	TP35	F-2
		Q70	H-6	TP36	N-4
		Q71	H-5	TP37	M-1
		Q72	I-7	TP38	H-6
		Q73	F-4	TP39	H-6
		Q74	J-7	TP40	F-5
		Q75	J-7		
		Q76	H-7		
		Q77	E-6		
		Q78	E-5		
		Q79	L-3		
		Q80	C-1		
		Q81	M-5		



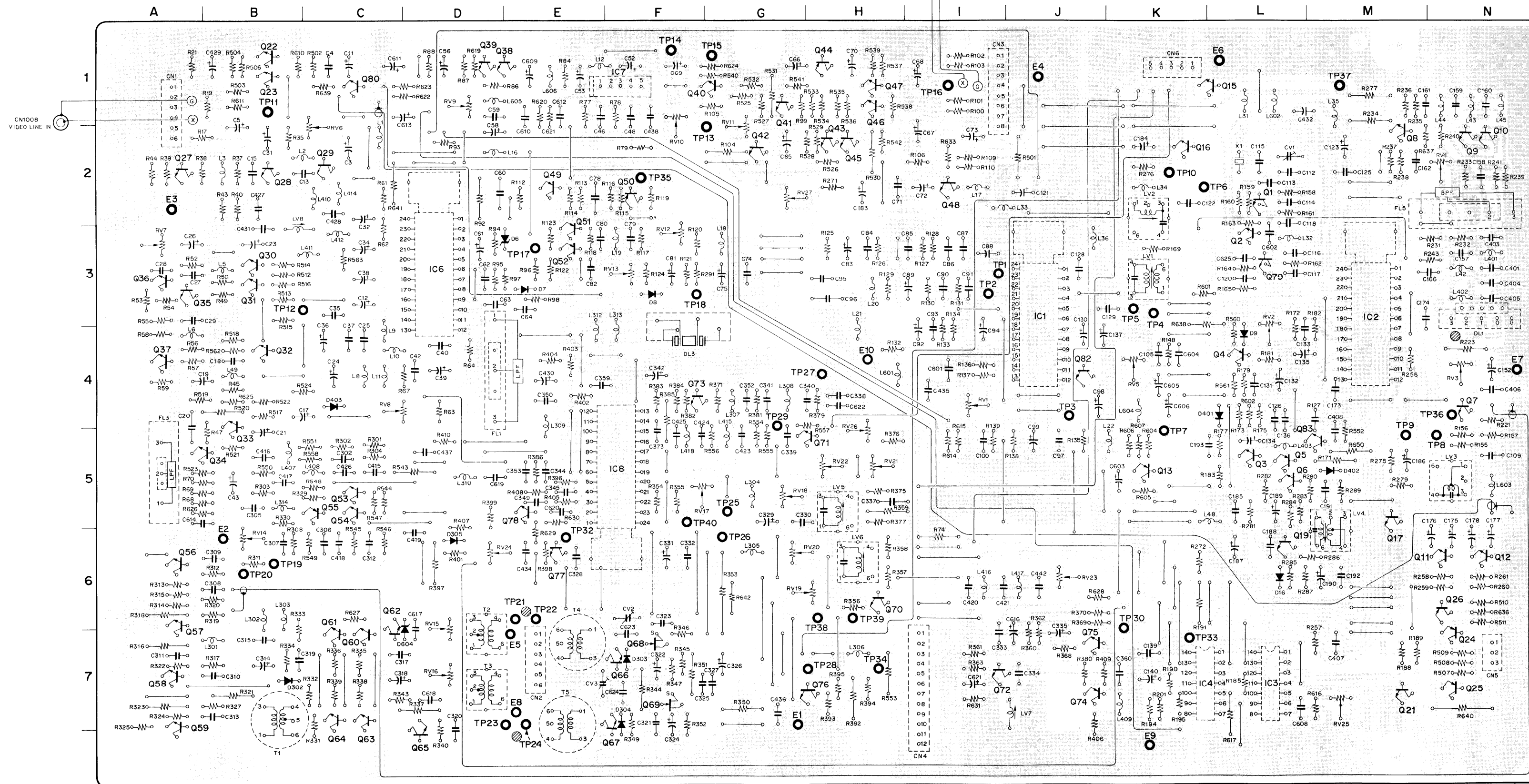
VO-9
(VIDEO MOD/DEMODULATOR)

S/N 18451 TO 27650 (U/C)

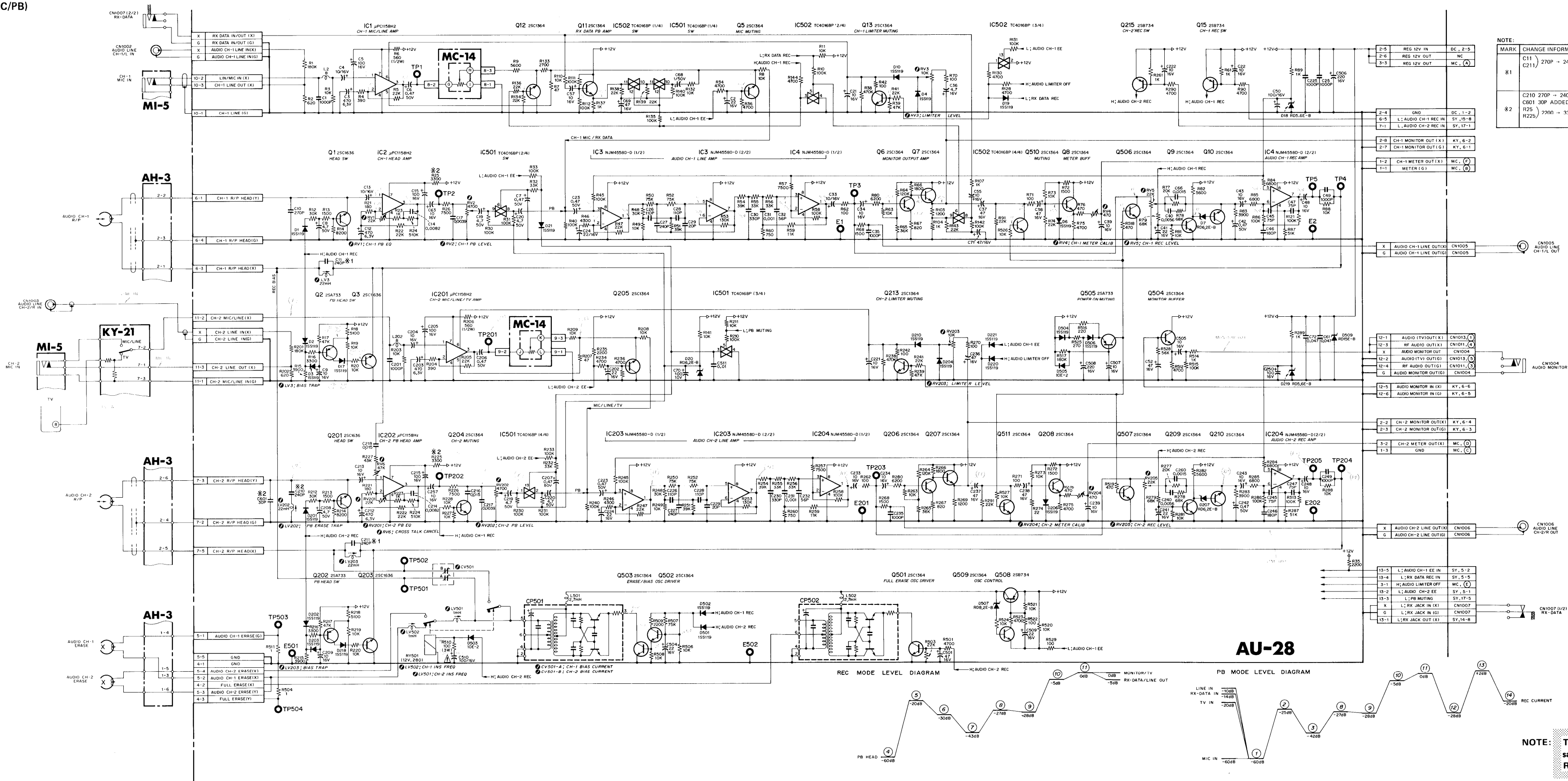
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CN2	E-7	Q2	L-3	RV2	L-4
CN3	I-1	Q3	L-5	RV3	N-4
CN4	I-7	Q4	L-4	RV4	N-2
CN5	N-7	Q5	L-5	RV5	K-4
CN6	K-1	Q6	L-5	RV6	C-1
		Q7	N-4	RV7	A-3
CV1	L-2	Q8	M-1	RV8	C-4
CV2	F-6	Q9	N-2	RV9	D-1
CV3	F-7	Q10	N-2	RV10	F-1
		Q11	N-6	RV11	G-1
D6	D-3	Q12	N-6	RV12	F-3
D7	E-3	Q13	K-5	RV13	F-3
D8	F-3	Q15	L-1	RV14	B-6
D9	L-4	Q16	K-2	RV15	D-6
D16	L-6	Q17	M-5	RV16	D-7
D302	B-7	Q19	L-6	RV17	F-5
D303	F-7	Q21	M-7	RV18	G-5
D304	F-7	Q22	B-1	RV19	H-6
D305	D-6	Q23	B-1	RV20	G-6
D401	L-4	Q24	N-7	RV21	H-5
D402	M-5	Q25	N-7	RV22	H-5
D403	C-4	Q26	N-6	RV23	J-6
D604	C-7	Q27	A-2	RV24	D-6
		Q28	B-2	RV25	M-7
E1	A-2	Q29	C-2	RV26	H-5
E2	B-6	Q30	B-3	RV27	G-2
E3	G-7	Q31	B-3		
E4	H-4	Q32	B-4	T1	B-7
E5	D-7	Q33	B-5	T2	D-7
E6	K-7	Q34	A-5	T3	D-7
E7	L-1	Q35	A-3	T4	E-7
E8	J-1	Q36	A-3	T5	E-7
E9	N-4	Q37	A-4		
		Q38	D-1	TP1	I-3
IC1	J-3	Q39	D-1	TP2	I-3
IC2	M-3	Q40	G-1	TP3	J-4
IC3	L-7	Q41	G-1	TP4	K-3
IC4	K-7	Q42	G-2	TP5	K-3
IC6	D-3	Q43	H-2	TP6	L-2
IC7	F-1	Q44	H-1	TP7	K-5
IC8	F-5	Q45	H-2	TP8	N-5
		Q46	H-1	TP9	M-5
LV1	K-3	Q47	H-1	TP10	K-2
LV2	K-2	Q48	I-2	TP11	B-1
LV3	N-5	Q49	E-2	TP12	B-3
LV4	M-5	Q50	F-2	TP13	G-1
LV5	H-5	Q51	E-2	TP14	F-1
LV6	H-6	Q52	E-3	TP15	G-1
LV7	J-7	Q53	C-5	TP16	I-1
LV8	B-3	Q54	C-5	TP17	E-3
		Q55	C-5	TP18	F-3
		Q56	A-6	TP19	B-6
		Q57	A-6	TP20	B-6
		Q58	A-7	TP21	E-6
		Q59	A-7	TP22	E-6
		Q60	C-7	TP23	D-7
		Q61	C-7	TP24	E-7
		Q62	C-7	TP25	G-5
		Q63	C-7	TP26	G-6
		Q64	C-7	TP27	H-4
		Q65	D-7	TP28	H-7
		Q66	F-7	TP29	G-4
		Q67	F-7	TP30	K-6
		Q68	F-7	TP31	H-7
		Q69	F-7	TP32	E-6
		Q70	H-6	TP33	K-7
		Q71	H-5	TP34	H-7
		Q72	I-7	TP35	F-2
		Q73	F-4	TP36	N-4
		Q74	J-7	TP37	M-1
		Q75	J-7	TP38	H-6
		Q76	H-7	TP39	H-6
		Q77	E-6	TP40	F-5
		Q78	L-3		
		Q79	C-1		
		Q80	C-1		
		Q81	J-4		
		Q82	J-4		
		Q83	M-5		

VO-9 SOLDERING SIDE
1-606-374-17
VO-5600

CN1	A - 1	Q1	L - 2	RV1	I - 4
CN2	E - 7	Q2	L - 3	RV2	L - 4
CN3	I - 1	Q3	L - 5	RV3	N - 4
CN4	I - 7	Q4	L - 4	RV4	N - 2
CN5	N - 7	Q5	L - 5	RV5	K - 4
CN6	K - 1	Q6	L - 5	RV6	C - 1
		Q7	N - 4	RV7	A - 3
CV1	L - 2	Q8	M - 1	RV8	C - 4
CV2	F - 6	Q9	N - 2	RV9	D - 1
CV3	F - 7	O10	N - 6	RV10	F - 1
		O11	N - 6	RV11	G - 1
D6	D - 3	O12	N - 6	RV12	F - 3
D7	E - 3	O13	K - 5	RV13	F - 3
D8	F - 3	O15	L - 1	RV14	B - 6
D9	L - 4	O16	K - 2	RV15	D - 6
D16	L - 6	O17	M - 5	RV16	D - 5
D302	B - 7	O19	L - 6	RV17	F - 5
D303	F - 7	O21	M - 7	RV18	G - 5
D304	F - 7	O22	B - 1	RV19	H - 6
D305	D - 6	O23	B - 1	RV20	G - 5
D401	L - 4	O24	N - 7	RV21	H - 5
D402	M - 5	O25	N - 7	RV22	H - 5
D403	C - 4	O26	N - 6	RV23	J - 6
D604	C - 7	O27	A - 2	RV24	D - 6
		O28	B - 2	RV25	M - 7
E1	G - 7	O29	C - 2	RV26	H - 5
E2	B - 6	O30	B - 3	RV27	G - 2
E3	A - 2	O31	B - 3		
E4	J - 1	O32	B - 4	T1	B - 7
E5	D - 7	O33	B - 5	T2	D - 7
E6	L - 1	O34	A - 5	T3	D - 7
E7	N - 4	O35	A - 3	T4	E - 7
E8	E - 7	O36	A - 3	T5	E - 7
E9	K - 7	O37	A - 4		
E10	H - 4	O38	D - 1	TP1	I - 3
		O39	D - 1	TP2	I - 3
IC1	J - 3	O40	G - 1	TP3	J - 4
IC2	M - 3	O41	G - 1	TP4	K - 3
IC3	L - 7	O42	G - 2	TP5	K - 3
IC4	K - 7	O43	H - 2	TP6	L - 5
IC6	D - 3	O44	H - 1	TP7	K - 2
IC7	F - 1	O45	H - 2	TP8	N - 5
IC8	F - 5	O46	H - 1	TP9	M - 5
		O47	H - 1	TP10	K - 2
LV1	K - 3	O48	I - 2	TP11	B - 1
LV2	K - 2	O49	E - 2	TP12	B - 3
LV3	N - 5	O50	F - 2	TP13	G - 1
LV4	M - 5	O51	E - 2	TP14	F - 1
LV5	H - 5	O52	E - 3	TP15	G - 1
LV6	H - 6	O53	C - 5	TP16	I - 1
LV7	J - 7	O54	C - 5	TP17	E - 3
LV8	B - 3	O55	C - 5	TP18	F - 3
		O56	A - 6	TP19	B - 6
		O57	A - 6	TP20	B - 6
		O58	A - 7	TP21	E - 6
		O59	A - 7	TP22	E - 6
		O60	C - 7	TP23	D - 7
		O61	C - 7	TP24	E - 7
		O62	C - 7	TP25	G - 5
		O63	C - 7	TP26	G - 6
		O64	C - 7	TP27	H - 4
		O65	D - 7	TP28	H - 7
		O66	F - 7	TP29	G - 4
		O67	F - 7	TP30	K - 6
		O68	F - 7	TP31	E - 6
		O69	F - 7	TP32	K - 7
		O70	H - 6	TP33	K - 7
		O71	H - 5	TP34	H - 7
		O72	I - 7	TP35	F - 2
		O73	F - 4	TP36	N - 4
		O74	J - 7	TP37	M - 1
		O75	J - 7	TP38	H - 6
		O76	H - 7	TP39	H - 6
		O77	E - 6	TP40	F - 5
		O78	E - 5		
		O79	L - 3	X1	L - 2
		O80	C - 1		
		O82	J - 4		
		O83	M - 5		



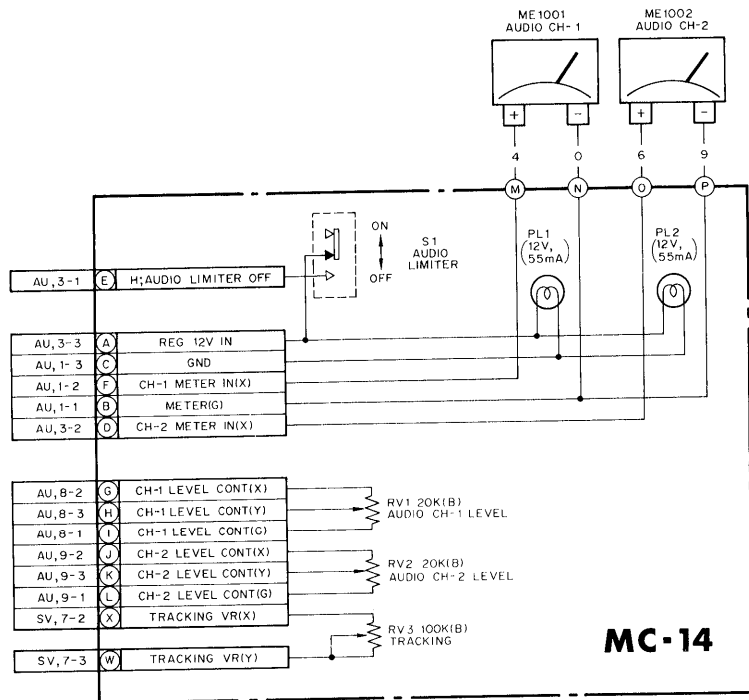
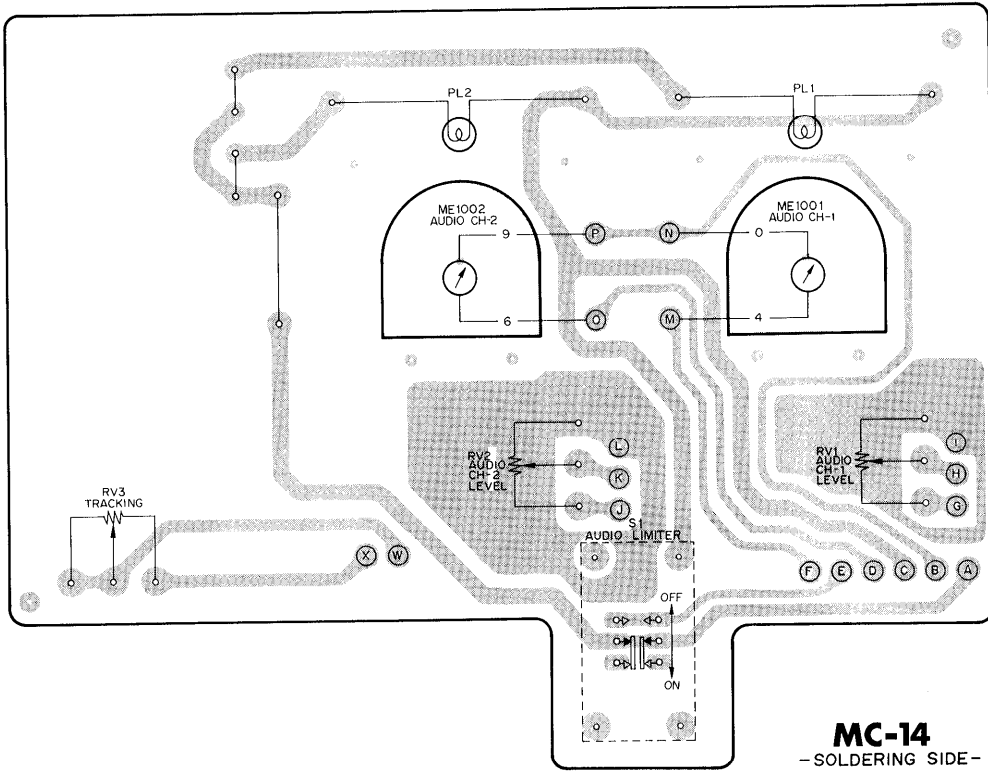
VO-9 SOLDERING SIDE
1-606-374-18
VO-5600

AU-28
(AUDIO REC/PB)

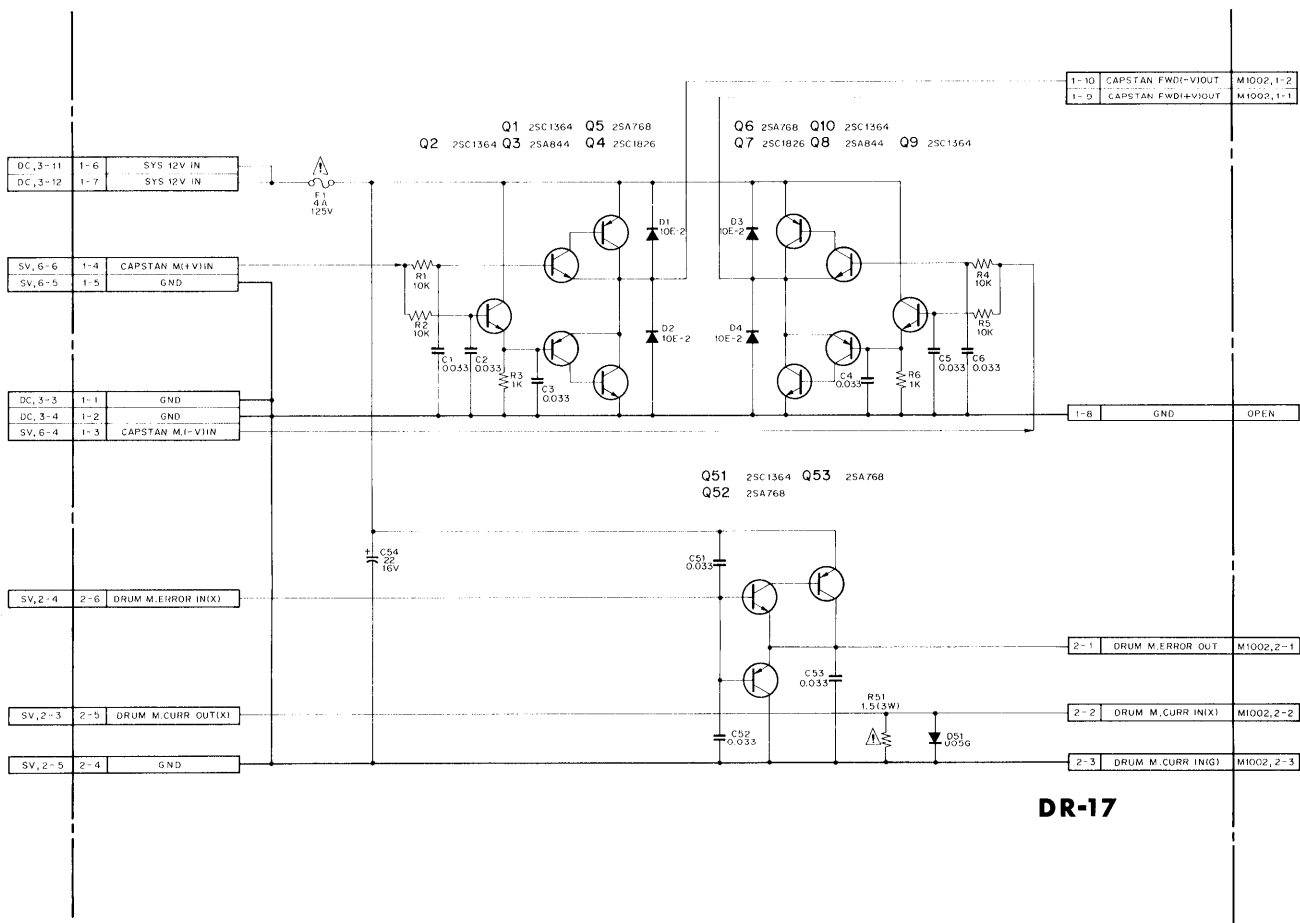
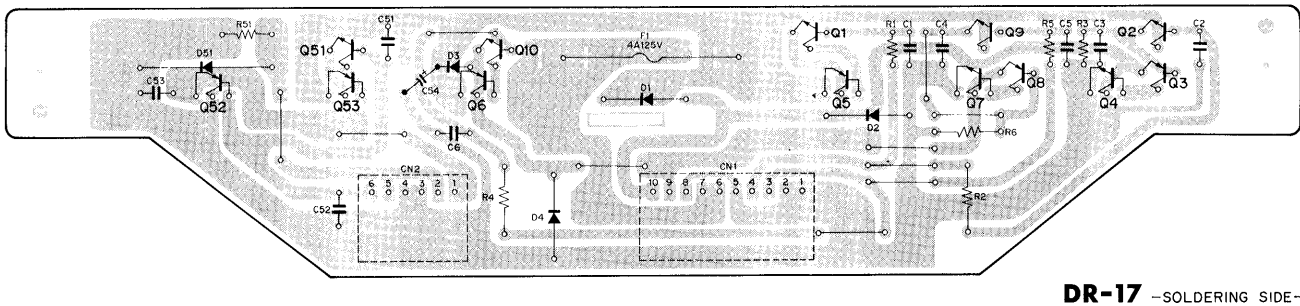
NOTE:


MARK	CHANGE INFORMATION	SERIAL NO.
X1	C11 / C211 270P → 240P	VO 5600 U/C: 15651~ " J: 10501~ VO 5630 AEP: 13441~ " UK: 10511~ " U/C: 10201~
X2	C210 270P → 240P C801 30P ADDED R225 2700 → 3300	VO 5600 U/C: 18451~ C801 30P ADDED VO 5630 AEP: 16541~ " UK: 11511~ " U/C: 10201~

MC-14 (METER/TRACKING VR)



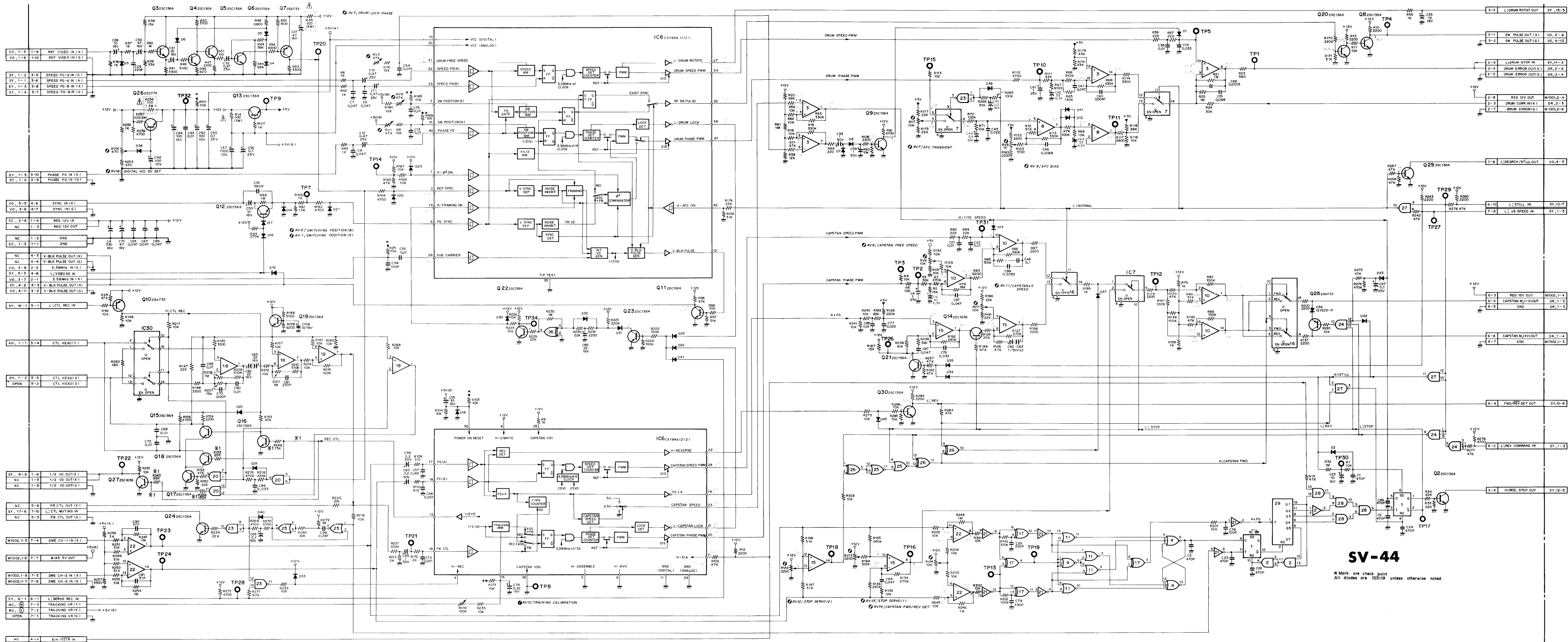
DR-17 (DRUM/CAPSTAN DRIVER)



NOTE The shaded and -marked components are critical to safety. Replace only with same components as specified.

SV-44 (SERVO SYSTEM)


MARK	CHANGE INFORMATION	SERIAL NO.
※1	R149 10K → 75K	U/C: 14151 ~
	R151 22K DELETED	J: 10401 ~
	R155 10K → 20K	
	R262 51K DELETED	
	R263 22K → 68K	
	R289 100K → 150K	



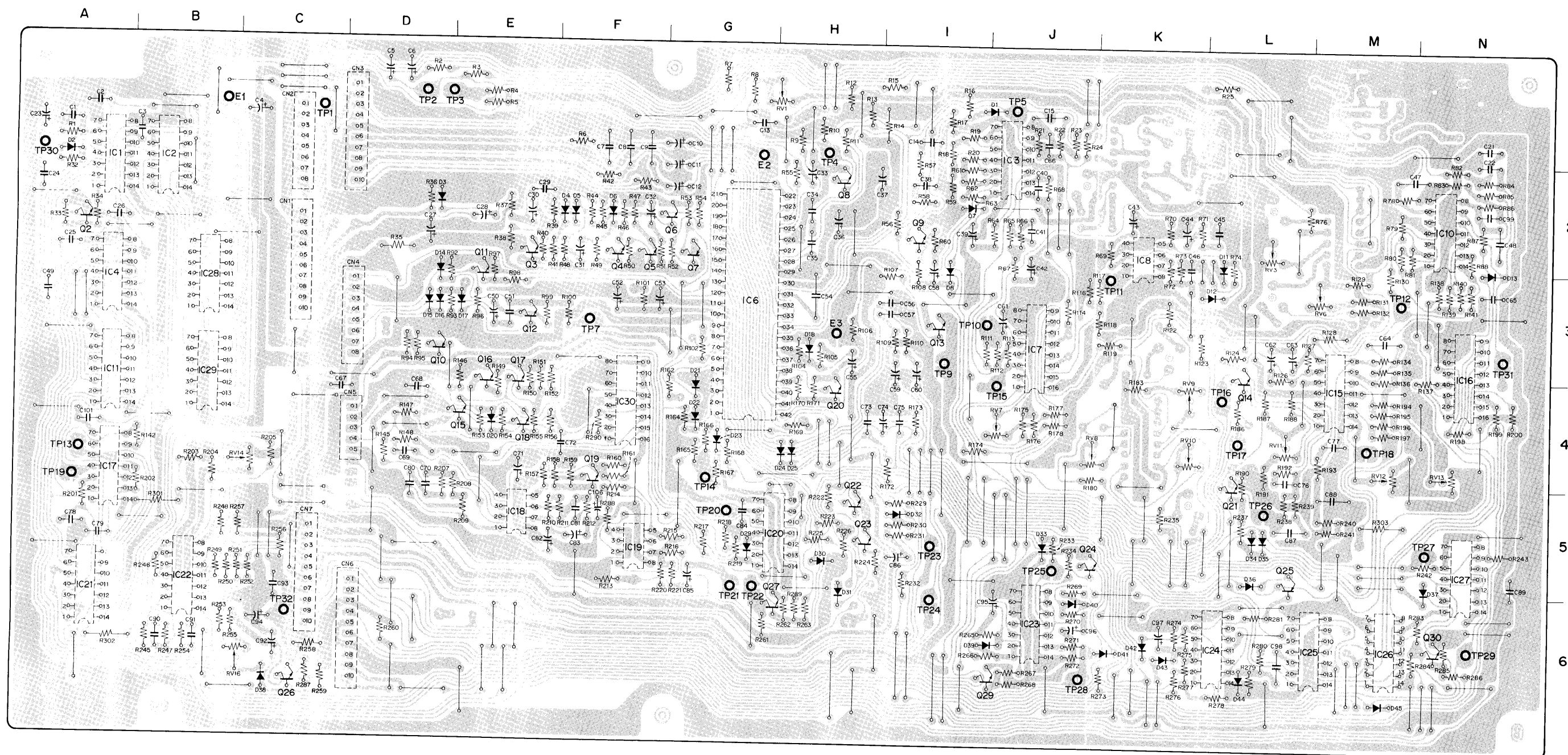
REF. NO.	TYPE	12V PIN	GRND PIN
IC 1	TC4013BP	14	7
IC 2	TC4013BP	14	7
IC 3	µPC324C	4	11
IC 4	TC4025BP	14	7
IC 5	—	—	—
IC 6	CX194A	16	8
IC 7	TC4025BP	16	8
IC 8	µPC358C	16	8
IC 9	—	—	—
IC 10	µPC324C	4	11
IC 11	TC4001BP	14	7
IC 12	—	—	—
IC 13	—	—	—
IC 14	µPC324C	4	11
IC 15	TC4025BP	16	8
IC 16	TC3003BP	16	8
IC 17	NJM4558-D	8	4
IC 18	NJM4558-D	8	4
IC 19	NM4558-D	8	4
IC 20	TC4001BP	14	7
IC 21	MC14584BCP	14	7
IC 22	TC3003C	16	8
IC 23	TC4001BP	14	7
IC 24	TC4025BP	16	8
IC 25	TC4001BP	14	7
IC 26	TC4030BP	14	7
IC 27	TC4001BP	14	7
IC 28	TC4001BP	14	7
IC 29	TC4025BP	16	8
IC 30	TC4025BP	16	8

SV-44

* Mark are check point
All diodes are 1SS19 unless otherwise noted

NOTE: The shaded and -marked components are critical to safety.
Replace only with same components as specified.

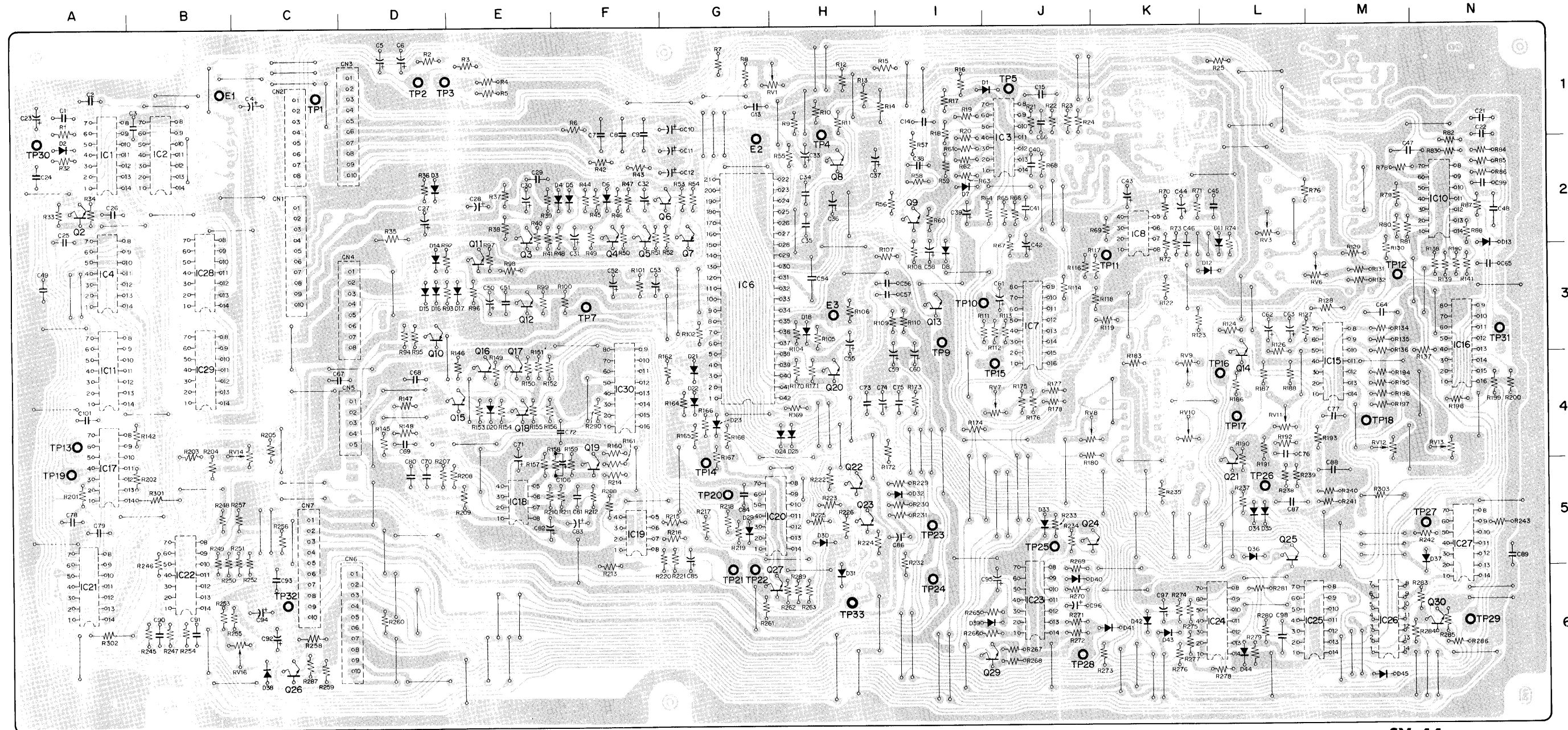
CN1	C-2	Q2	A-2
CN2	C-1	Q3	E-2
CN3	D-1	Q4	F-2
CN4	D-3	Q5	F-2
CN5	D-4	Q6	G-2
CN6	D-6	Q7	G-2
CN7	C-5	Q8	H-2
		Q9	I-2
		Q10	D-3
D1	J-1	Q11	E-3
D2	A-1	Q12	E-3
D3	D-2	Q13	I-3
D4	F-2	Q14	L-3
D5	F-2	Q15	E-4
D6	F-2	Q16	E-4
D7	I-2	Q17	E-4
D8	I-3	Q18	E-4
D9	L-2	Q19	F-4
D10	L-2	Q20	H-4
D11	L-2	Q21	L-4
D12	L-2	Q22	H-5
D13	N-2	Q23	H-5
D14	D-3	Q24	J-5
D15	D-3	Q25	L-5
D16	D-3	Q26	C-6
D17	E-3	Q27	H-6
D18	H-3	Q28	J-6
D19	E-4	Q29	J-6
D20	E-4	Q30	N-6
D21	G-4		
D22	C-4		
D23	G-4		
D24	H-4		
D25	H-4		
D26	H-4		
D27	H-4		
D28	H-4		
D29	G-5		
D30	H-5		
D31	H-6		
D32	I-5		
D33	J-5		
D34	L-5		
D35	L-5		
D36	L-5		
D37	N-5		
D38	C-6		
D39	J-6		
D40	J-6		
D41	K-6		
D42	K-6		
D43	K-6		
D44	L-6		
D45	M-6		
E1	B-1		
E2	G-1		
E3	H-3		
IC1	A-2		
IC2	B-2		
IC3	J-1		
IC4	A-3		
IC5	G-3		
IC6	G-3		
IC7	J-3		
IC8	K-2		
IC9	N-2		
IC10	N-2		
IC11	A-4		
IC12	M-4		
IC13	N-3		
IC14	A-4		
IC15	E-5		
IC16	F-5		
IC17	H-5		
IC18	H-5		
IC19	H-5		
IC20	H-5		
IC21	A-6		
IC22	B-5		
IC23	J-6		
IC24	L-6		
IC25	M-6		
IC26	M-6		
IC27	N-5		
IC28	B-3		
IC29	B-4		
IC30	F-4		
RV1	H-1		
RV2	L-2		
RV3	M-3		
RV4	J-4		
RV5	J-4		
RV6	K-4		
RV7	K-4		
RV8	K-4		
RV9	K-4		
RV10	K-4		
RV11	L-4		
RV12	M-4		
RV13	N-4		
RV14	C-4		
RV15	C-4		
RV16	C-6		



SV-44 -SOLDERING SIDE-

12051 TO 13050 (U/C)

CN1	C-2	Q2	A-2
CN2	C-1	Q3	E-2
CN3	D-1	Q4	F-2
CN4	D-3	Q5	F-2
CN5	D-4	Q6	G-2
CN6	D-6	Q7	G-2
CN7	C-5	Q8	H-2
		Q9	I-2
D1	J-1	Q10	D-3
D2	A-1	Q11	E-3
D3	D-2	Q12	E-3
D4	F-2	Q13	I-3
D5	F-2	Q14	L-3
D6	F-2	Q15	E-4
D7	I-2	Q16	E-4
D8	I-3	Q17	E-4
D11	L-2	Q18	E-4
D12	L-3	Q19	F-4
D13	N-2	Q20	H-4
D14	D-3	Q21	L-4
D15	D-3	Q22	H-5
D16	D-3	Q23	H-5
D17	E-3	Q24	J-5
D18	H-3	Q25	C-6
D20	E-4	Q26	C-6
D21	G-4	Q27	H-6
D22	G-4	Q29	J-6
D23	G-4	Q30	N-6
D24	H-4		
D25	H-4	TP1	C-1
D29	G-5	TP2	D-1
D30	H-5	TP3	D-1
D31	H-6	TP4	H-1
D32	I-5	TP5	J-1
D33	J-5	TP7	F-3
D34	L-5	TP9	I-3
D35	L-5	TP10	I-3
D36	L-5	TP11	K-3
D37	N-5	TP12	M-3
D38	C-6	TP13	A-4
D39	J-6	TP14	G-4
D40	J-6	TP15	J-4
D41	K-6	TP16	L-4
D42	K-6	TP17	L-4
D43	K-6	TP18	M-4
D44	L-6	TP19	A-5
D45	M-6	TP20	G-5
		TP21	G-5
E1	B-1	TP22	G-5
E2	G-1	TP23	I-5
E3	H-3	TP24	I-6
		TP25	J-5
IC1	A-2	TP26	L-5
IC2	B-2	TP27	N-5
IC3	J-1	TP28	J-6
IC4	A-3	TP29	N-6
IC6	G-3	TP30	A-1
IC7	J-3	TP31	N-3
IC8	K-2	TP32	C-6
IC10	N-2	TP33	H-6
IC11	A-4		
IC15	M-4	RV1	H-1
IC16	N-3	RV3	L-2
IC17	A-4	RV6	M-3
IC18	E-5	RV7	J-4
IC19	F-5	RV8	J-4
IC20	H-5	RV9	K-4
IC21	A-6	RV10	K-4
IC22	B-5	RV11	L-4
IC23	J-6	RV12	M-4
IC24	L-6	RV13	N-4
IC25	M-6	RV14	C-4
IC26	M-6	RV16	C-6
IC27	N-5		
IC28	B-3		
IC29	B-4		
IC30	F-4		

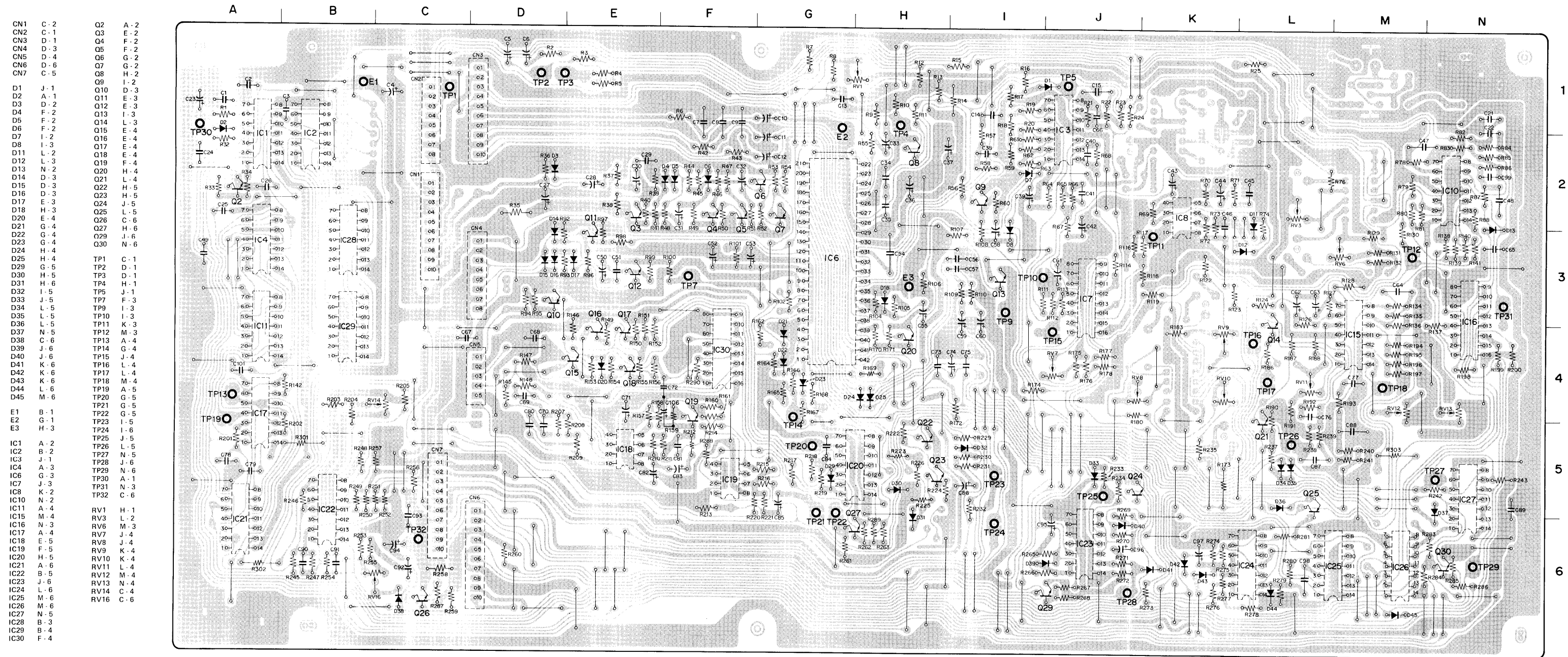


13051 TO 15650 (U/C)

SV-44

SV-44

SV-44

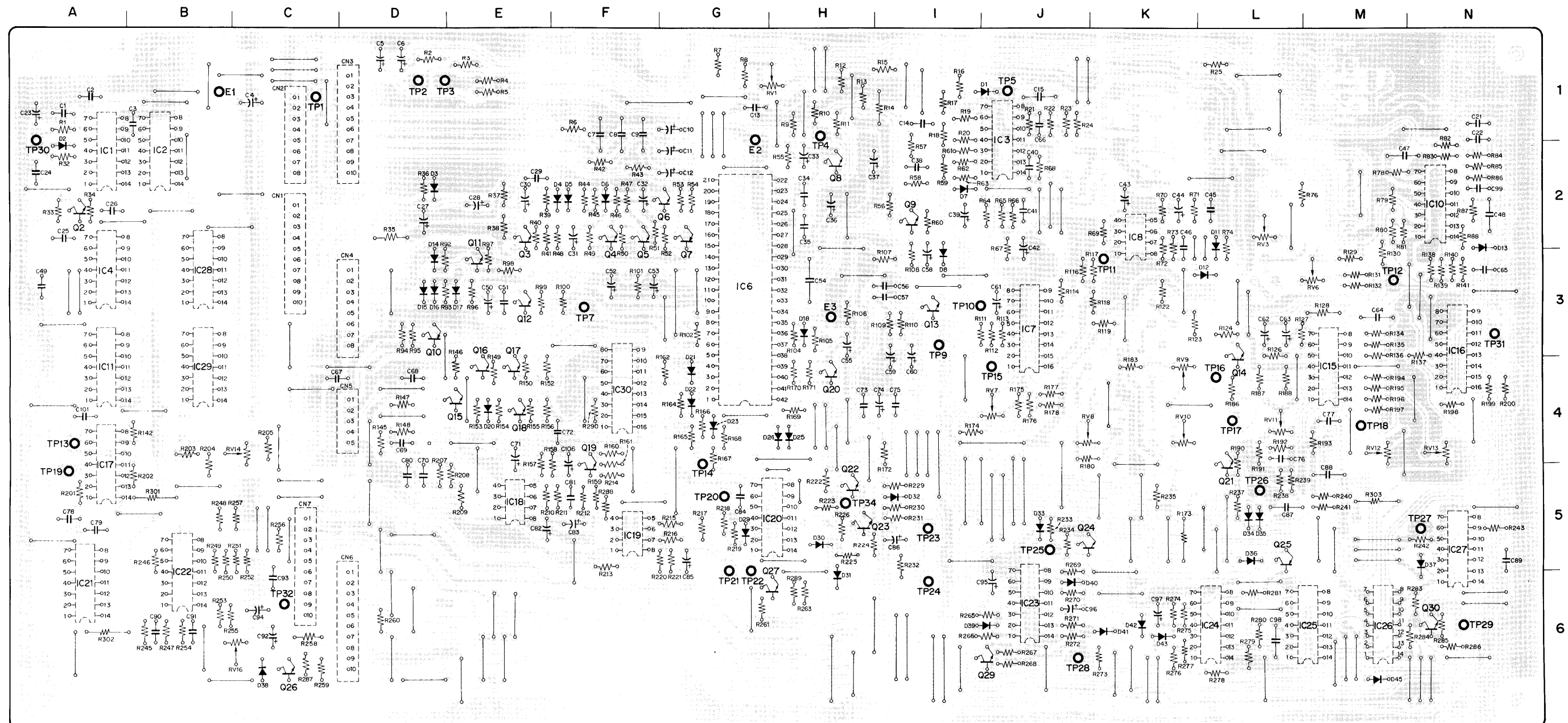


SV-44 -SOLDERING SIDE-

SV-44 (SERVO SYSTEM)

S/N 15651 AND LATER (U/C)

- | | | | |
|------|-----|------|-----|
| CN1 | C-2 | Q2 | A-2 |
| CN2 | C-1 | Q3 | E-2 |
| CN3 | D-1 | Q4 | F-2 |
| CN4 | D-3 | Q5 | F-2 |
| CN5 | D-4 | Q6 | G-2 |
| CN6 | D-6 | Q7 | G-2 |
| CN7 | C-5 | Q8 | H-2 |
| | | Q9 | I-2 |
| D1 | J-1 | Q10 | D-3 |
| D2 | A-1 | Q11 | E-3 |
| D3 | D-2 | Q12 | E-3 |
| D4 | F-2 | Q13 | I-3 |
| D5 | F-2 | Q14 | L-3 |
| D6 | F-2 | Q15 | E-4 |
| D7 | I-2 | Q16 | E-4 |
| D8 | I-3 | Q17 | E-4 |
| D11 | L-2 | Q18 | E-4 |
| D12 | L-3 | Q19 | F-4 |
| D13 | N-2 | Q20 | H-4 |
| D14 | D-3 | Q21 | L-4 |
| D15 | D-3 | Q22 | H-5 |
| D16 | D-3 | Q23 | H-5 |
| D17 | E-3 | Q24 | J-5 |
| D18 | H-3 | Q25 | L-5 |
| D20 | E-4 | Q26 | C-6 |
| D21 | E-4 | Q27 | H-6 |
| D22 | G-4 | Q29 | I-6 |
| D23 | G-4 | Q30 | N-6 |
| D24 | H-4 | | |
| D25 | H-4 | TP1 | C-1 |
| D29 | C-5 | TP2 | D-1 |
| D30 | H-5 | TP3 | D-1 |
| D31 | H-6 | TP4 | H-1 |
| D32 | I-5 | TP5 | J-1 |
| D33 | J-5 | TP7 | F-3 |
| D34 | L-5 | TP9 | I-3 |
| D35 | L-5 | TP10 | I-3 |
| D36 | L-5 | TP11 | K-3 |
| D37 | N-5 | TP12 | M-3 |
| D38 | C-6 | TP13 | A-4 |
| D39 | J-6 | TP14 | G-4 |
| D40 | J-6 | TP15 | J-4 |
| D41 | K-6 | TP16 | L-4 |
| D42 | K-6 | TP17 | L-4 |
| D43 | K-6 | TP18 | M-4 |
| D45 | M-6 | TP19 | A-5 |
| | | TP20 | G-5 |
| E1 | B-1 | TP21 | G-5 |
| E2 | G-1 | TP22 | G-5 |
| E3 | H-3 | TP23 | I-5 |
| | | TP24 | I-6 |
| IC1 | A-2 | TP25 | J-5 |
| IC2 | B-2 | TP26 | L-5 |
| IC3 | J-1 | TP27 | N-5 |
| IC4 | A-3 | TP28 | J-6 |
| IC6 | G-3 | TP29 | N-6 |
| IC7 | J-3 | TP30 | A-1 |
| IC8 | K-2 | TP31 | N-3 |
| IC10 | N-2 | TP32 | C-6 |
| IC11 | A-4 | TP34 | H-5 |
| IC15 | M-4 | | |
| IC16 | N-3 | RV1 | H-1 |
| IC17 | A-4 | RV3 | L-2 |
| IC18 | E-5 | RV6 | M-3 |
| IC19 | F-5 | RV7 | J-4 |
| IC20 | H-5 | RV8 | J-4 |
| IC21 | A-6 | RV9 | K-4 |
| IC22 | B-5 | RV10 | K-4 |
| IC23 | J-6 | RV11 | L-4 |
| IC24 | L-6 | RV12 | M-4 |
| IC25 | M-6 | RV13 | N-4 |
| IC26 | M-6 | RV14 | C-4 |
| IC27 | N-5 | RV16 | C-6 |
| IC28 | B-3 | | |
| IC29 | B-4 | | |
| IC30 | F-4 | | |

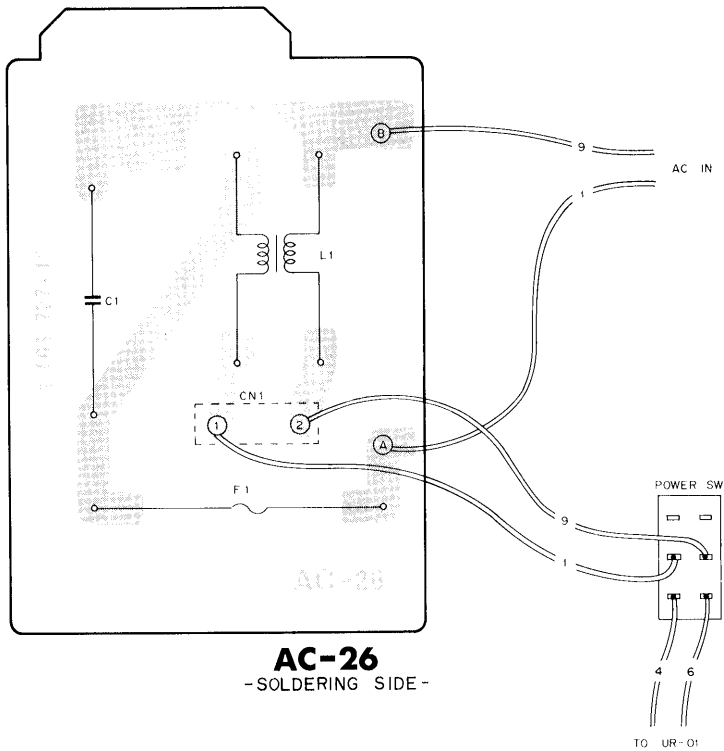


SV-44 -SOLDERING SIDE-
1-606-373-16,17,18,19
VO-5600

AC-26/AC-45

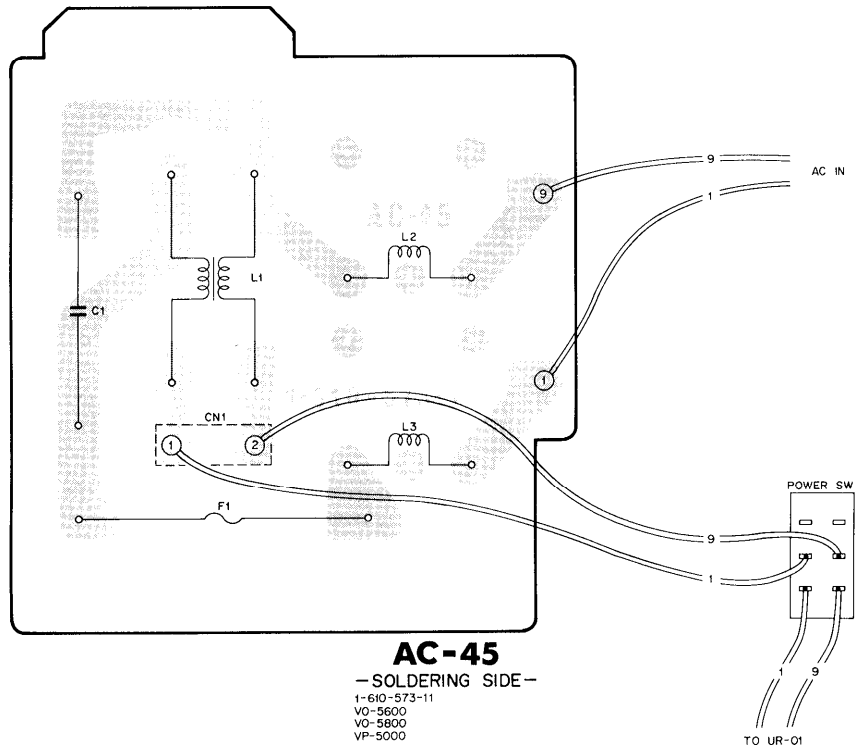
AC-26 (AC INPUT)

S/N UP TO 23850 (U/C)



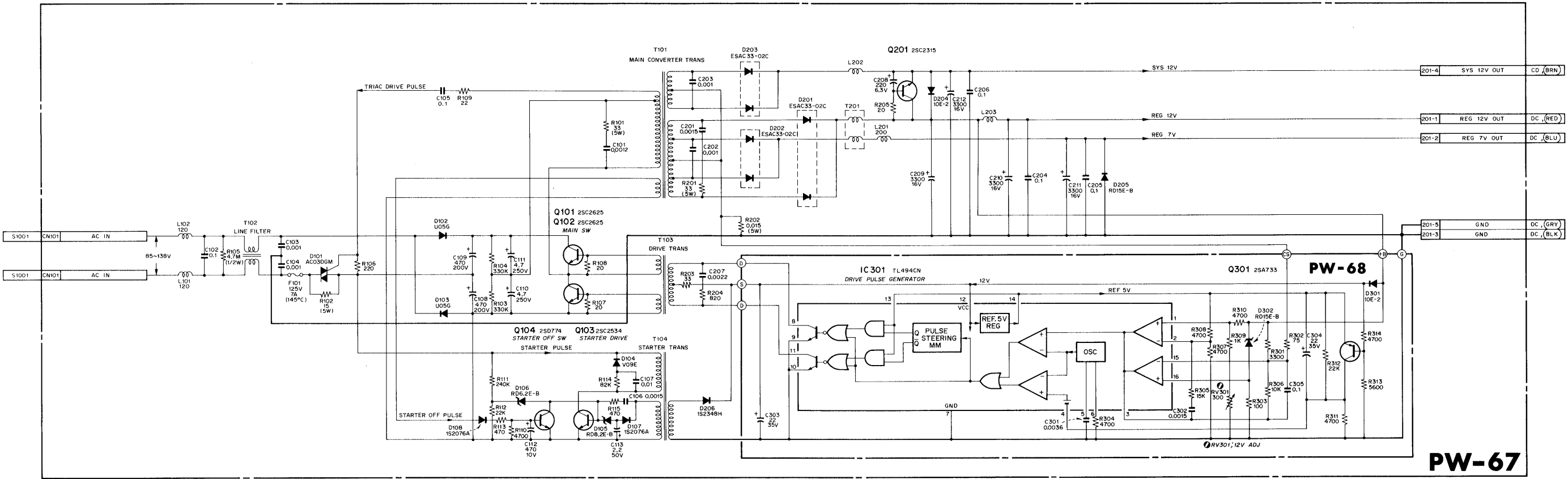
AC-45 (AC INPUT)

S/N 23851 AND LATER (U/C)



UR-01 (SWITCHING REGULATOR)

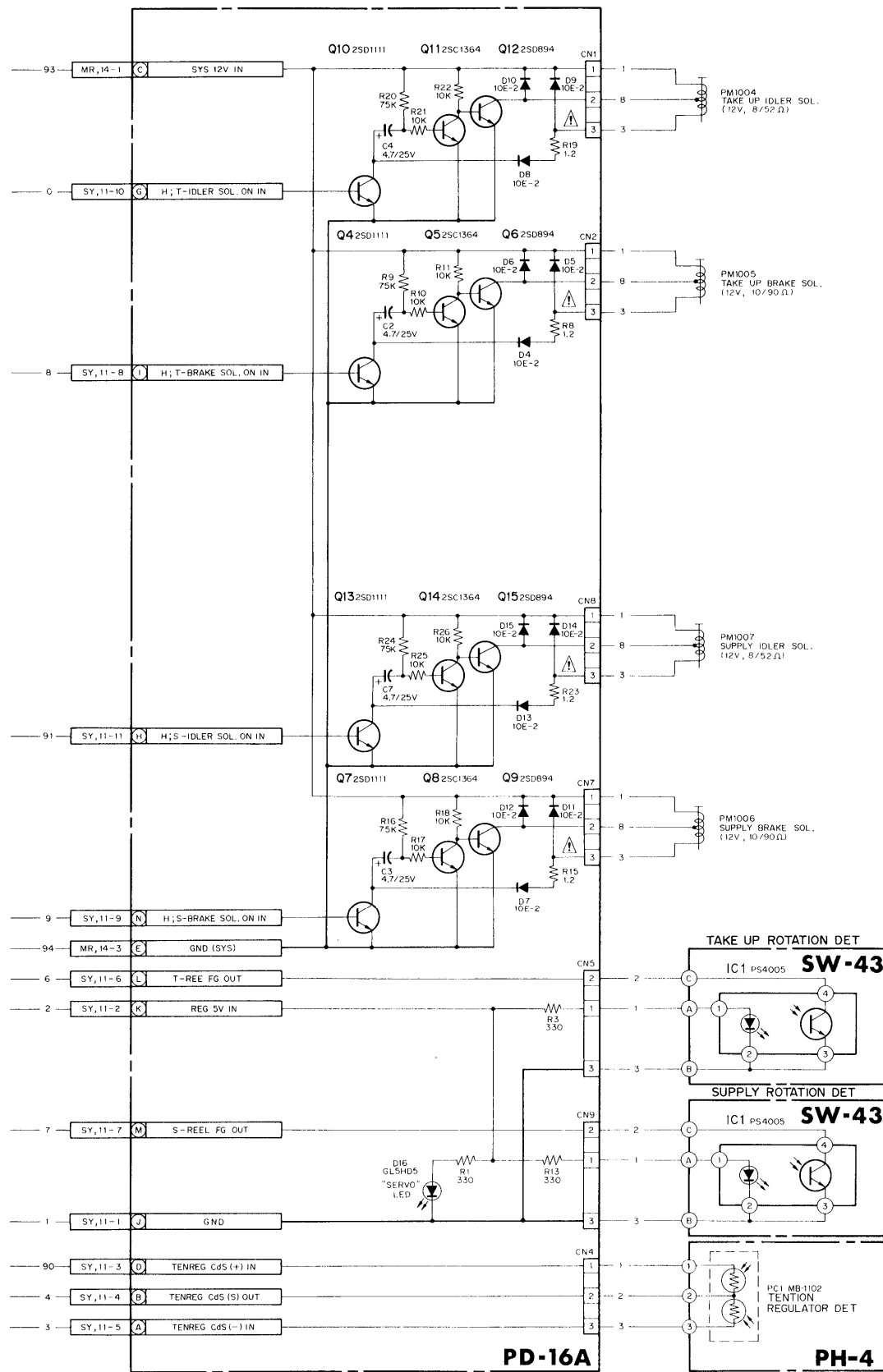
(PW-67
PW-68)



MARK	CHANGE INFORMATION	SERIAL NO.
✱1	R106 100 → 220 R109 33 → 22	VO-5600 U/C: 23851 ~ " J: 11201 ~ VP-5000 U/C: 24851 ~ " J: 11201 ~

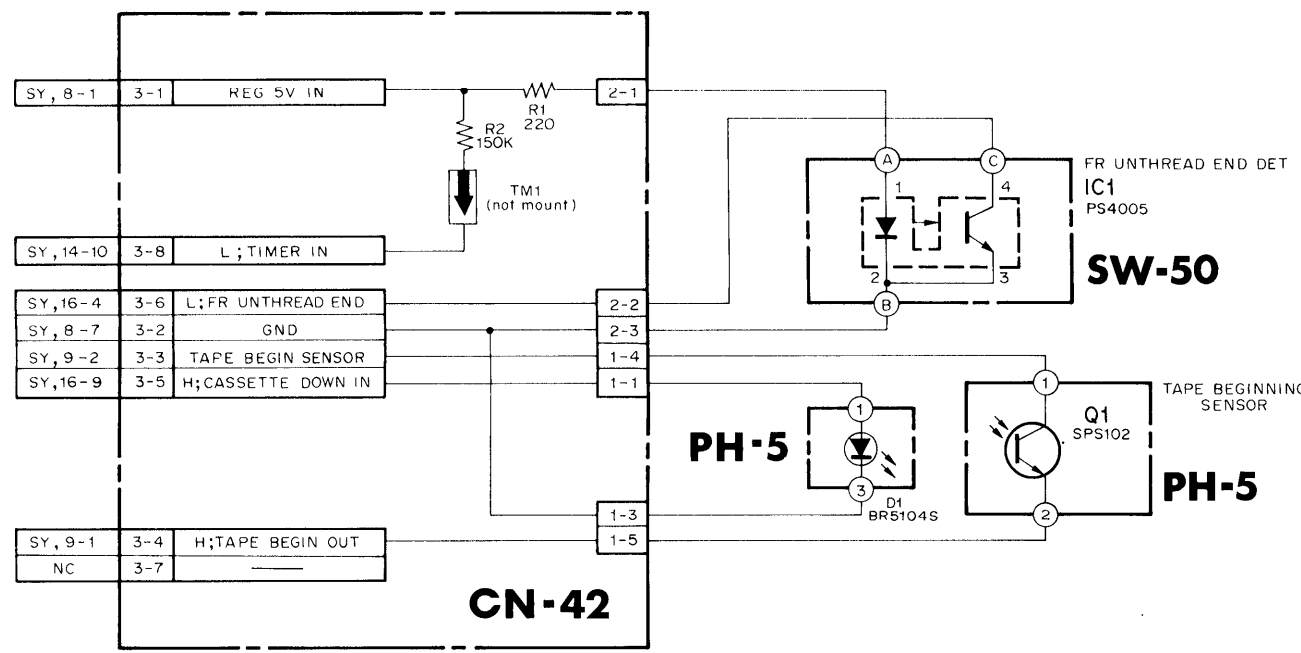
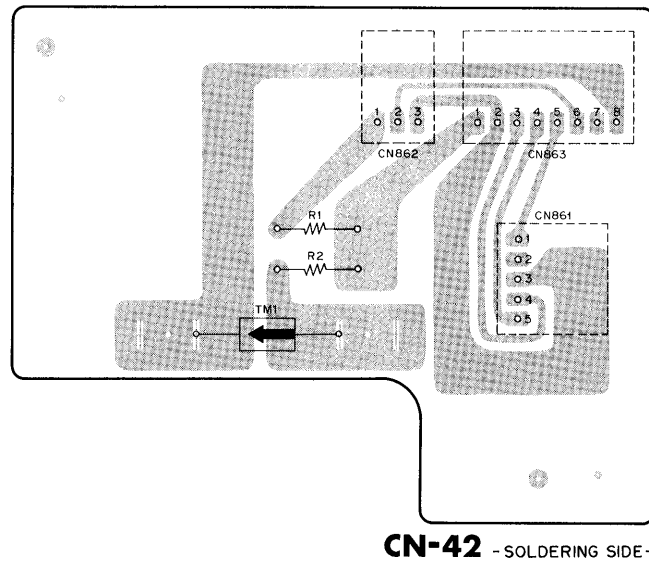
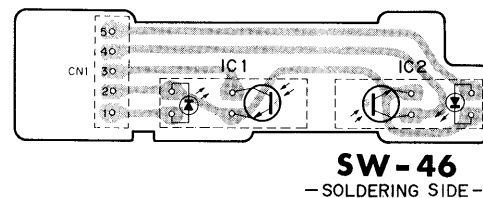
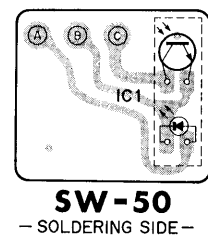
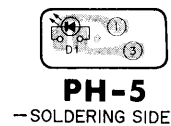
NOTE: The shaded and -marked components are critical to safety. Replace only with same components as specified.

PD-16 (SOLENOID DRIVER / TAPE RUN DET)
SW-43
PH-4

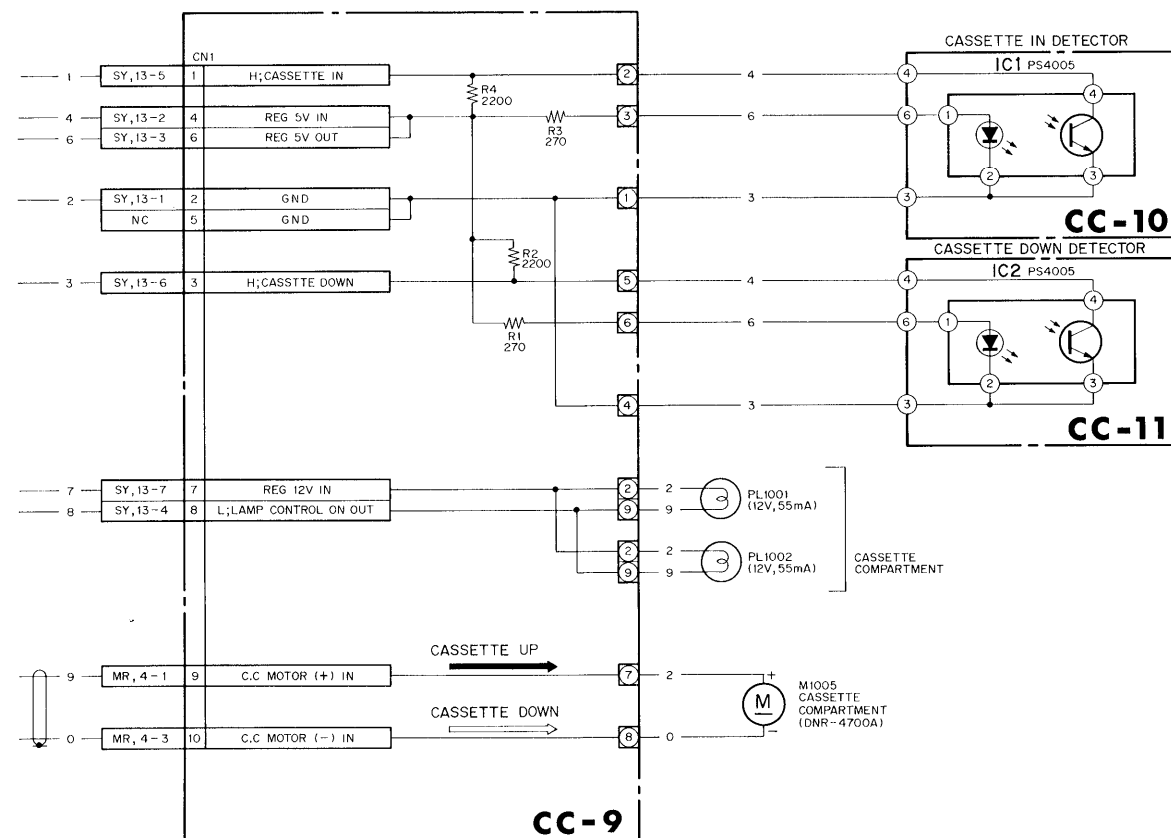
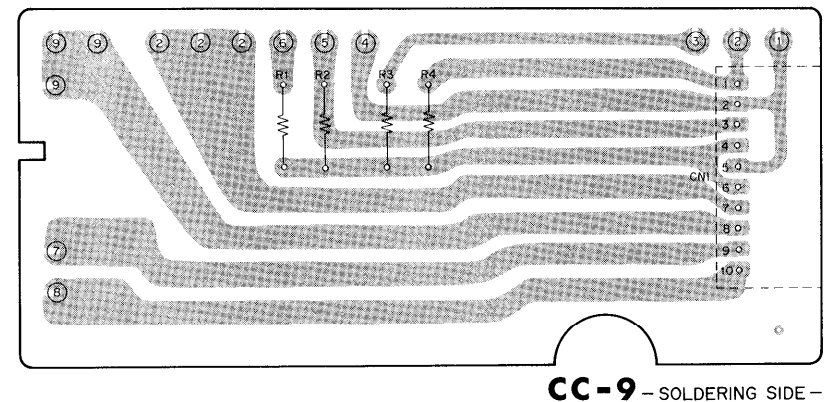
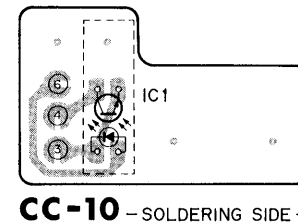
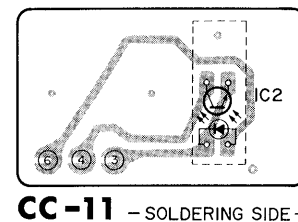


NOTE The shaded and Δ -marked components are critical to safety. Replace only with same components as specified.

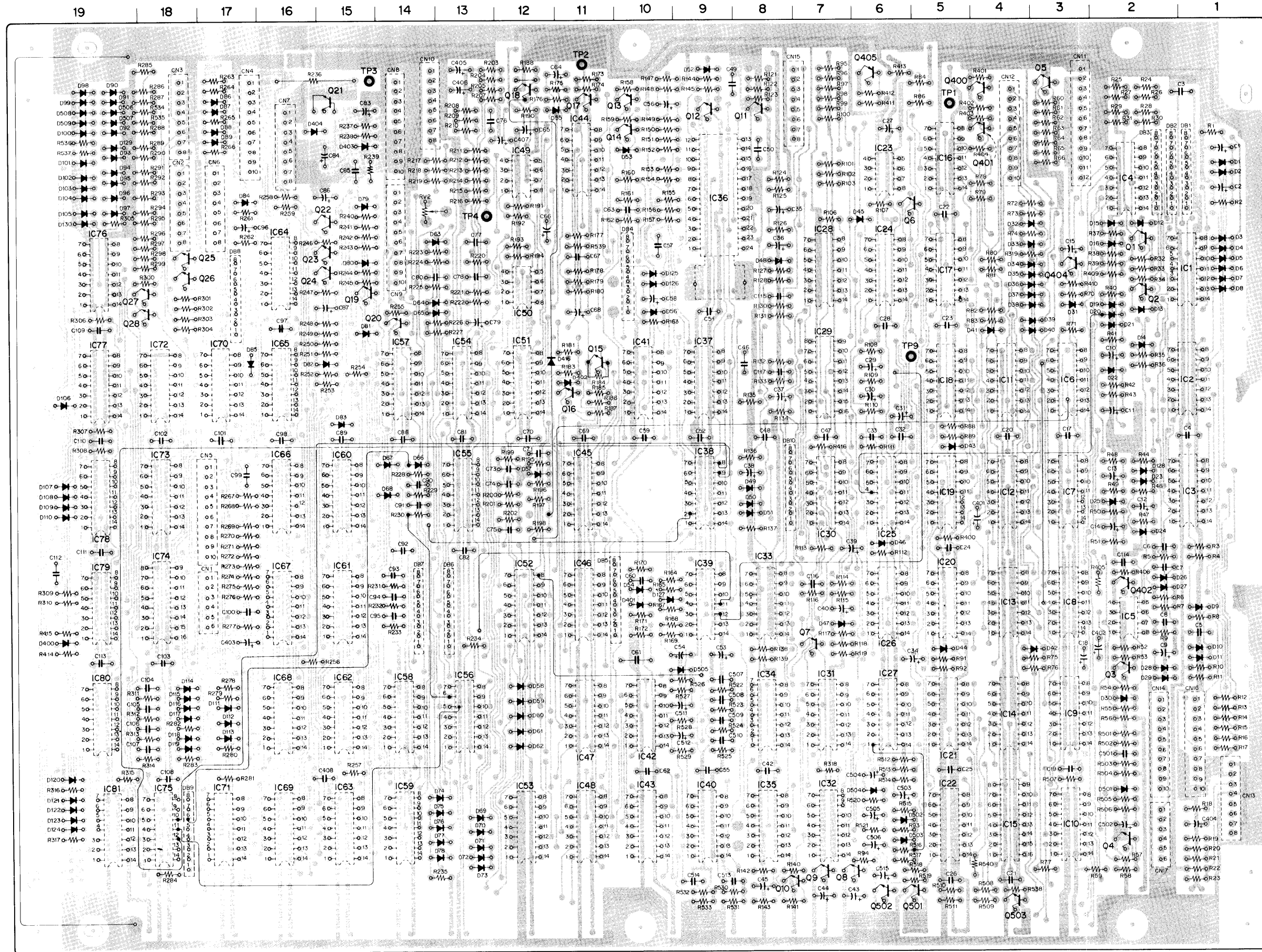
CN-42
PH-5
SW-50
SW-46



CC-9
CC-10
CC-11

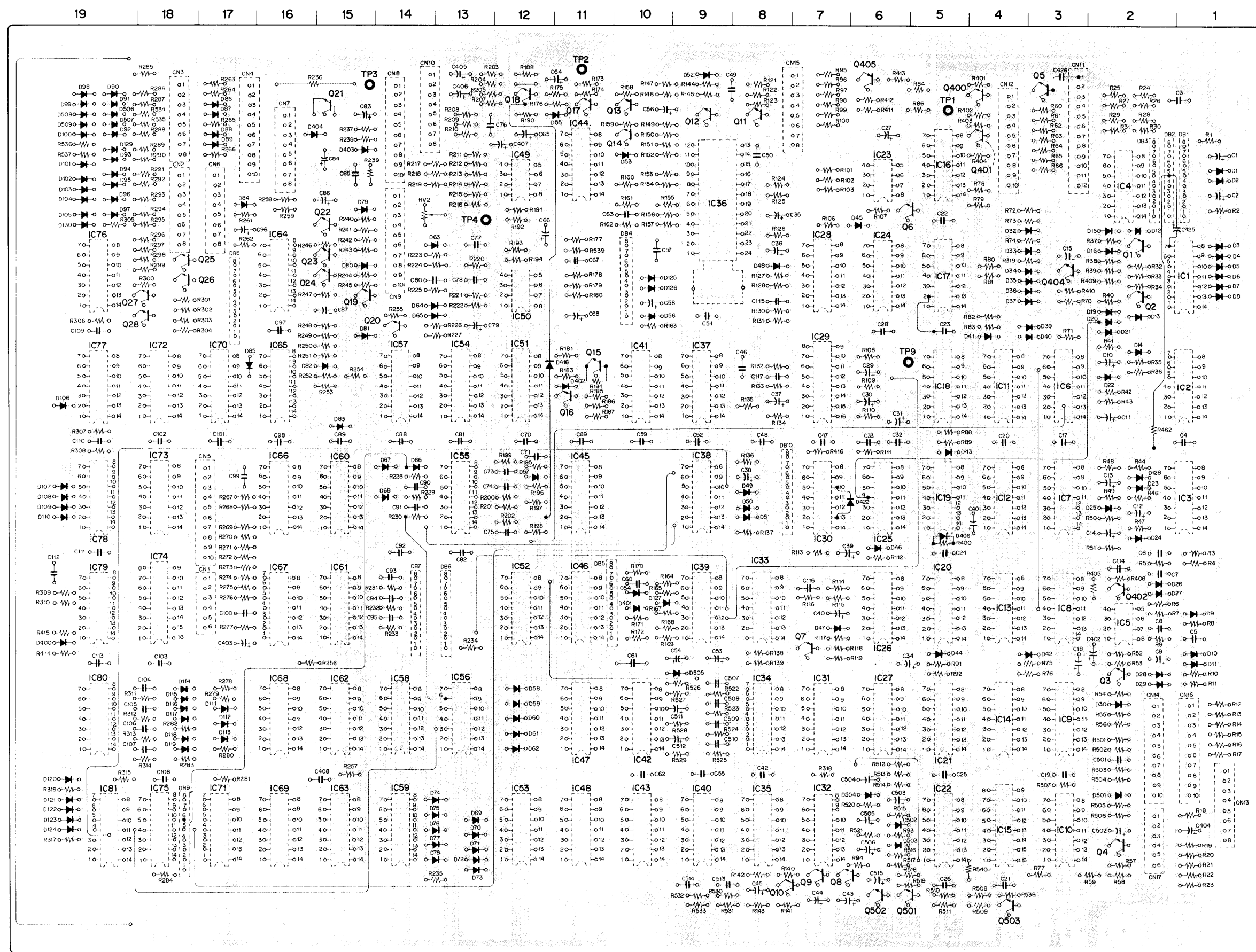


UP TO 10950 (U/C)



REF. NO.	TYPE.	12V PIN	5V PIN	GND PIN
IC1	TC4081BP	14	7	
IC2	TC4001BP	14	7	
IC3	TC4081BP	14	7	
IC4	M54529P	14	7	
IC5	μPC4558C	8	14	7
IC6	TC4069UBP	14	7	
IC7	TC4081BP	14	7	
IC8	TC4081BP	14	7	
IC9	M54529P	14	7	
IC10	M54529P	14	7	
IC11	TC4081BP	14	7	
IC12	TC4011BP	14	7	
IC13	TC4073BP	14	7	
IC14	TC4001BP	14	7	
IC15	M54519P	14	7	
IC16	TC4011BP	14	7	
IC17	TC4073BP	14	7	
IC18	TC4073BP	14	7	
IC19	TC4001BP	14	7	
IC20	TC4081BP	14	7	
IC21	TC4011BP	14	7	
IC22	TC4069UBP	14	7	
IC23	μPC4558C	8	14	7
IC24	TC4081BP	14	7	
IC25	TC4001BP	14	7	
IC26	TC4073BP	14	7	
IC27	TC4001BP	14	7	
IC28	TC4069UBP	14	7	
IC29	TC4073BP	14	7	
IC30	TC4069UBP	14	7	
IC31	TC4069UBP	14	7	
IC32	TC4081BP	14	7	
IC33	TC4001BP	14	7	
IC34	TC4001BP	14	7	
IC35	TC4001BP	14	7	
IC36	TC4073BP	14	7	
IC37	TC4081BP	14	7	
IC38	TC4025BP	14	7	
IC39	TC4030BP	14	7	
IC40	TC4069UBP	14	7	
IC41	TC4073BP	14	7	
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IC43	TC4011BP	14	7	
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IC45	TC4081BP	14	7	
IC46	TC4081BP	14	7	
IC47	TC4081BP	14	7	
IC48	TC4011BP	14	7	
IC49	NJM2903D	8	14	7
IC50	NJM4558D	8	14	7
IC51	M54529P	14	7	
IC52	TC4069UBP	14	7	
IC53	TC4012BP	14	7	
IC54	TC4011BP	14	7	
IC55	TC4013BP	14	7	
IC56	TC4069UBP	14	7	
IC57	M54529P	14	7	
IC58	TC4001BP	14	7	
IC59	TC4081BP	14	7	
IC60	TC4081BP	14	7	
IC61	TC4081BP	14	7	
IC62	TC4069UBP	14	7	
IC63	TC4073BP	14	7	
IC64	M54529P	14	7	
IC65	M54529P	14	7	
IC66	TC4069UBP	14	7	
IC67	M54529P	14	7	
IC68	TC4011BP	14	7	
IC69	TC4001BP	14	7	
IC70	TC4081BP	14	7	
IC71	TC4081BP	14	7	
IC72	TC4013BP	14	7	
IC73	TC4073BP	14	7	
IC74	TC4520BP	16	8	
IC75	TC4001BP	14	7	
IC76	M54529P	14	7	
IC77	TC4081BP	14	7	
IC78	TC4025BP	14	7	
IC79	TC4069UBP	14	7	
IC80	TC4001BP	14	7	
IC81	TC4011BP	14	7	
IC82	TC4081BP	14	7	
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IC84	TC4011BP	14	7	
IC85	TC4011BP	14	7	
IC86	TC4011BP	14	7	
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IC149	TC4011BP	14	7	
IC150	TC4011BP	14	7	
IC151	TC4011BP	14	7	
IC152	TC4011BP	14	7	
IC153	TC4011BP	14	7	
IC154	TC4011BP	14	7	
IC155	TC4011BP	14	7	
IC156	TC4011BP	14	7	
IC157	TC4011BP	14	7	
IC158	TC4011BP	14	7	
IC159	TC4011BP	14	7	
IC160	TC4011BP	14	7	
IC161	TC4011BP	14	7	

SY-75 - SOLDERING SIDE -

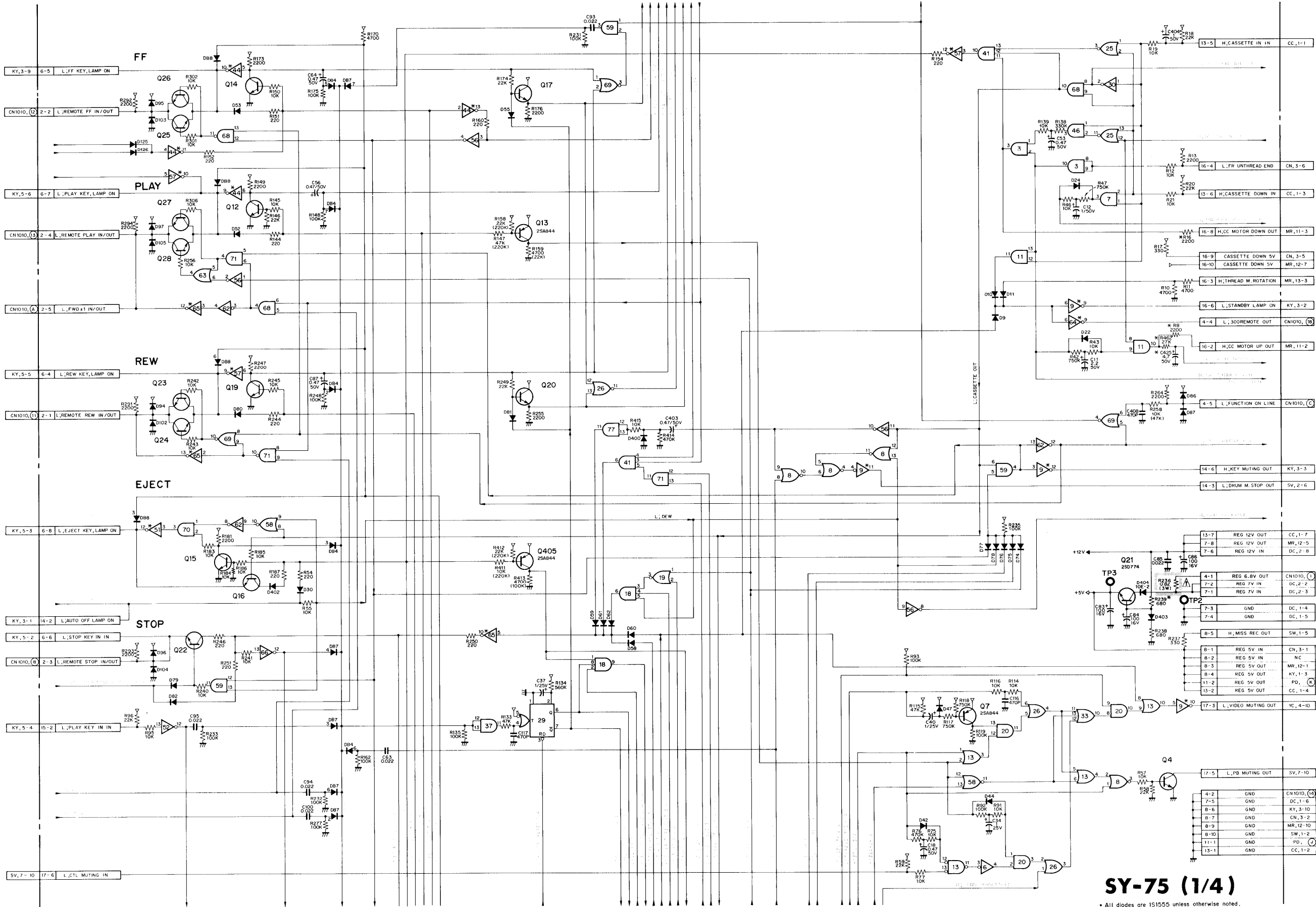


CN1	E - 17	D98	A - 19	IC62	F - 15	REF. NO	TYPE.	12V PIN	5V PIN	GND PIN
CN2	A - 18	D99	A - 19	IC63	G - 9					
CN3	A - 18	D100	A - 19	IC64	B - 16	IC1	TC4081BP	14	7	
CN4	A - 17	D101	A - 19	IC65	C - 16	IC2	TC4001BP	14	7	
CN5	D - 17	D102	A - 19	IC66	D - 16	IC3	M54529P	14	7	
CN6	A - 17	D103	A - 19	IC67	E - 16	IC4	#PC4018C	8	14	7
CN7	A - 16	D104	A - 19	IC68	F - 16	IC6	TC4069UBP	14	7	
CN8	A - 14	D105	A - 19	IC69	G - 16	IC7	TC4081BP	14	7	
CN9	B - 14	D106	C - 19	IC70	G - 17	IC8	TC4001BP	14	7	
CN10	A - 14	D107	D - 19	IC71	G - 17	IC9	M54529P	14	7	
CN11	A - 3	D108	D - 19	IC72	C - 18	IC10	TC4081BP	14	7	
CN12	A - 4	D109	D - 19	IC73	D - 18	IC11	TC4001BP	14	7	
CN13	G - 1	D110	D - 19	IC74	E - 18	IC12	TC4001BP	14	7	
CN14	F - 2	D111	F - 17	IC75	G - 18	IC13	TC4001BP	14	7	
CN15	A - 7	D112	F - 17	IC76	B - 19	IC14	TC4001BP	14	7	
CN16	F - 1	D113	F - 17	IC77	C - 19	IC15	TC4071BP	14	7	
CN17	G - 2	D114	F - 18	IC78	D - 19	IC16	TC4001BP	14	7	
		D115	F - 18	IC79	F - 19	IC15	M54519P	8	14	7
D1	A - 1	D116	F - 18	IC80		IC16	TC4081BP	14	7	
D2	A - 1	D117	F - 18	IC81	G - 19	IC17	TC4071BP	14	7	
D3	B - 1	D118	F - 18			IC18	TC4073BP	14	7	
D4	B - 1	D119	F - 18	Q1	B - 2	IC19	TC4001BP	14	7	
D5	B - 1	D120	G - 19	Q2	B - 2	IC20	TC4081BP	14	7	
D6	B - 1	D121	G - 19	Q3	F - 2	IC21	TC4001BP	14	7	
D7	B - 1	D122	G - 19	Q4	G - 2	IC22	TC4069UBP	8	14	7
D8	B - 1	D123	G - 19	Q5	A - 3	IC23	#PC4018C	14	7	
D9	B - 1	D124	G - 19	Q6	A - 5	IC24	TC4081BP	14	7	
D10	E - 1	D125	B - 10	Q7	E - 7	IC25	TC4001BP	14	7	
D11	F - 1	D126	B - 10	Q8	G - 7	IC26	TC4071BP	14	7	
D12	A - 1	D127	E - 10	Q9	G - 7	IC27	TC4001BP	14	7	
D13	B - 2	D128	D - 2	Q10	A - 8	IC28	TC4001BP	14	7	
D14	A - 1	D130	A - 19	Q11	A - 10	IC29	TC4069UBP	16	8	
D15	A - 2	D400	E - 19	Q12	A - 9	IC30	TC4069UBP	14	7	
D16	B - 2	D401	E - 10	Q13	A - 10	IC31	TC4069UBP	14	7	
D19	B - 2	D402	C - 11	Q14	A - 10	IC32	TC4001BP	14	7	
D20	B - 2	D403	A - 15	Q15	C - 11	IC33	TC4075BP	14	7	
D21	B - 2	D404	A - 16	Q16	C - 11	IC34	TC4001BP	14	7	
D22	C - 2	D406	D - 5	Q17	A - 11	IC35	TC4001BP	14	7	
D23	D - 2	D416	C - 12	Q18	A - 12	IC36	CX757	14	7	
D24	D - 2	D422	D - 7	Q19	B - 15	IC37	TC4081BP	14	7	
D25	D - 2	D501	G - 2	Q20	B - 14	IC38	TC4025BP	14	7	
D26	E - 2	D502	G - 6	Q21	A - 15	IC39	TC4030BP	14	7	
D27	E - 2	D503	G - 6	Q22	A - 15	IC40	TC4069UBP	14	7	
D28	F - 2	D504	G - 6	Q23	B - 15	IC41	TC4073BP	14	7	
D29	F - 2	D505	F - 9	Q24	B - 15	IC42	TC4001BP	14	7	
D30	F - 2	D506	A - 19	Q25	B - 18	IC43	TC4001BP	14	7	
D32	A - 4	D507	A - 19	Q26	B - 18	IC44	M54529P	14	7	
D33	B - 4	D508	A - 19	Q27	B - 18	IC45	TC4081BP	14	7	
D34	B - 4	D509	A - 19	Q28	B - 18	IC46	TC4081BP	14	7	
D35	B - 4			Q400	A - 4	IC47	TC4081BP	14	7	
D36	B - 4	IC1	B - 1	Q401	A - 4	IC48	TC4001BP	14	7	
D37	B - 4	IC2	C - 1	Q402	E - 2	IC49	NJM22903D	8	14	7
D39	B - 4	IC3	D - 1	Q403	B - 4	IC50	NJM4558D-D	14	7	
D40	B - 4	IC4	A - 2	Q405	A - 6	IC51	M54529P	14	7	
D41	B - 4	IC5	E - 2	Q501	G - 6	IC52	TC4069UBP	14	7	
D42	F - 3	IC6	C - 3	Q502	G - 6	IC53	TC4012BP	14	7	
D43	F - 3	IC7	D - 3	Q503	G - 4	IC54	TC4001BP	14	7	
D44	F - 5	IC8	E - 3			IC55	TC4013BP	14	7	
D45	A - 6	IC9	F - 3	RV2	A - 14	IC56	TC4069UBP	14	7	
D46	E - 6	IC10	G - 3	TP1	A - 5	IC57	M54529P	14	7	
D47	E - 7	IC11	C - 4	TP2	A - 11	IC58	TC4001BP	14	7	
D48	B - 8	IC12	D - 4	TP3	A - 15	IC59	TC4081BP	14	7	
D49	D - 8	IC13	E - 4	TP4	A - 13	IC60	TC4081BP	14	7	
D50	D - 8	IC14	F - 4	TP9	C - 6	IC61	TC4001BP	14	7	
D51	D - 8	IC15	G - 4			IC62	TC4069UBP	14	7	
D52	A - 9	IC16	A - 5			IC63	TC4071BP	14	7	
D53	A - 10	IC17	B - 5			IC64	M54529P	14	7	
D54	F - 9	IC18	C - 5			IC65	M54529P	14	7	
D55	A - 11	IC19	D - 5			IC66	TC4069UBP	14	7	
D56	B - 10	IC20	E - 5			IC67	M54529P	14	7	
D57	D - 12	IC21	F - 5			IC68	TC4001BP	14	7	
D58	F - 12	IC22	G - 5			IC69	TC4001BP	14	7	
D59	F - 12	IC23	A - 6			IC70	TC4081BP	14	7	
D60	F - 12	IC24	B - 6			IC71	TC4075BP	14	7	
D61	F - 12	IC25	D - 6			IC72	TC4001BP	14	7	
D62	F - 12	IC26	E - 6			IC73	TC4073BP	14	7	
D63	B - 13	IC27	F - 6			IC74	TC4520BP	16	8	
D64	B - 13	IC28	B - 7			IC75	TC4001BP	14	7	
D65	B - 13	IC29	C - 7			IC76	M54529P	14	7	
D66	D - 14	IC30	D - 7			IC77	TC4081BP	14	7	
D67	D - 14	IC31	F - 7			IC78	TC4025BP	14	7	
D68	D - 14	IC32	G - 7			IC79	TC4069UBP	14	7	
D69	G - 13	IC33	E - 8			IC80	TC4001BP	14	7	
D70	G - 13	IC34	F - 8			IC81	TC4001BP	14	7	
D71	G - 13	IC35	G - 8			IC506	TC4001BP	14	7	
D72	G - 13	IC36	A - 9							
D73	G - 13	IC37	C - 9							
D74	G - 13	IC38	D - 9							
D75	G - 13	IC39	E - 9							
D76	G - 13	IC40	G - 9							
D77	G - 13	IC41	C - 10							
D78	G - 13	IC42	F - 10							
D79	A - 15	IC43	G - 10							
D80	B - 15	IC44	A - 11							
D81	B - 15	IC45	D - 11							
D82	C - 15	IC46	E - 11							
D83	C - 15	IC47	F - 11							
D84	A - 17	IC48	G - 11							
D85	C - 17	IC49	A - 12							
D86	A - 17	IC50	B - 12							
D87	A - 17	IC51	C - 12							
D88	A - 17	IC52	E - 12							
D89	A - 17	IC53	G - 12							
D90	A - 19	IC54	C - 13							
D91	A - 19	IC55	D - 13							
D92	A - 19	IC56	F - 13							
D93	A - 19	IC57	C - 14							
D94	A - 19	IC58	F - 14							
D95	A - 19	IC59	G - 14							
D96	A - 19	IC60	D - 15							
D97	A - 19	IC61	E - 15							

SY-75 (1/4)
(SYSTEM CONTROL)

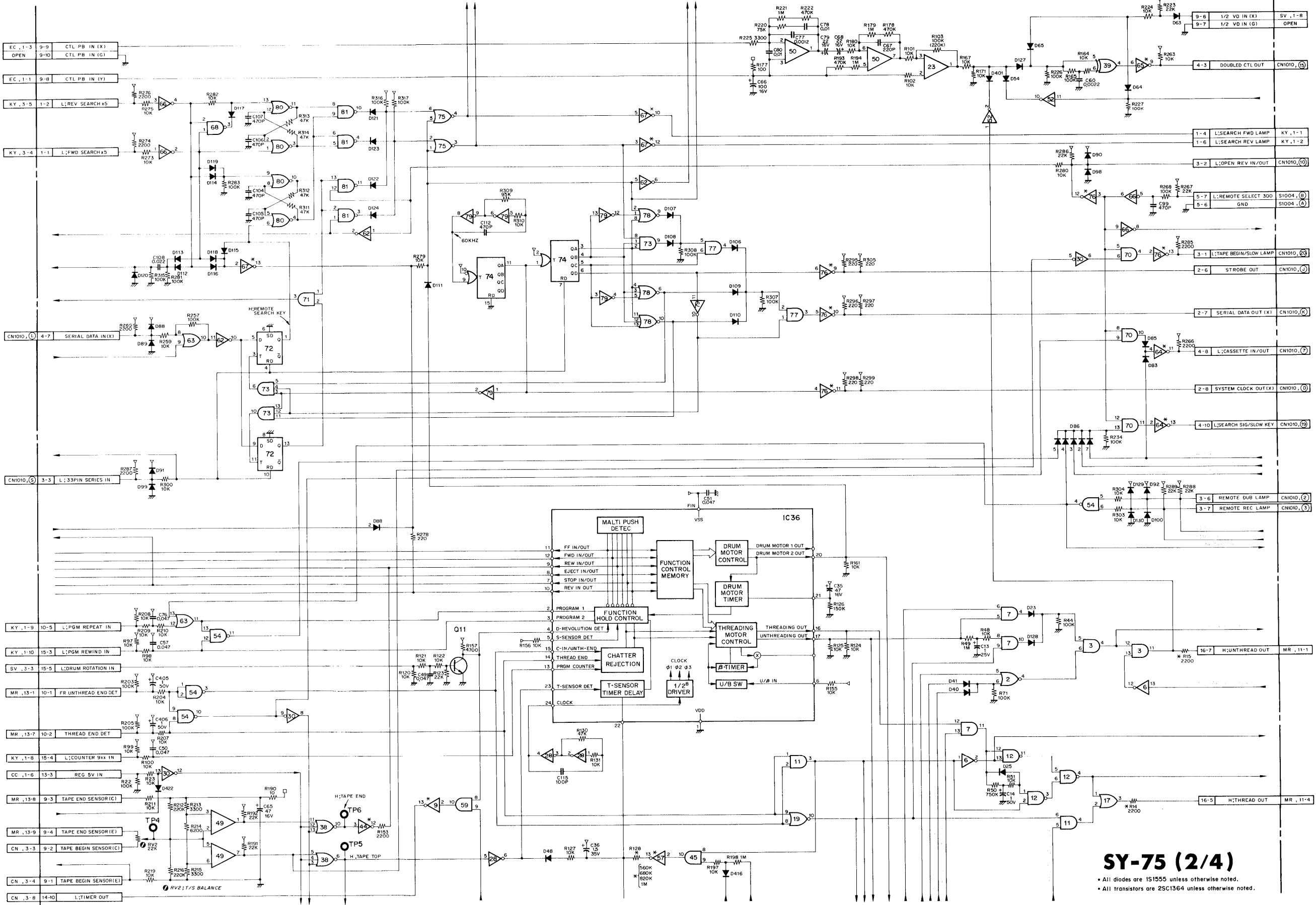
S/N UP TO 18450 (U/C)

MARK	CHANGE INFORMATION	SERIAL NO.
D31	1S1555 DELETED	VO 5600 U/C: 14151 ~
D38	"	" J: 10401 ~
D406	1S1555 ADDED	VO 5630 AEP: 12341 ~
D422	"	" UK: 10311 ~
R8, R14	2200 · 1K	" U/C: 10201 ~
R15, R16	2200 · 1K	
R239	750 · 680	
C425	4.7/50V ADDED	
C426	0.022 ADDED	
R462	27K ADDED	
IC114	····· IC17.2	
	SHORT	
	OPEN	
IC17.2	· GND1	



NOTE: The shaded and ⚠-marked components are critical to safety.
Replace only with same components as specified.

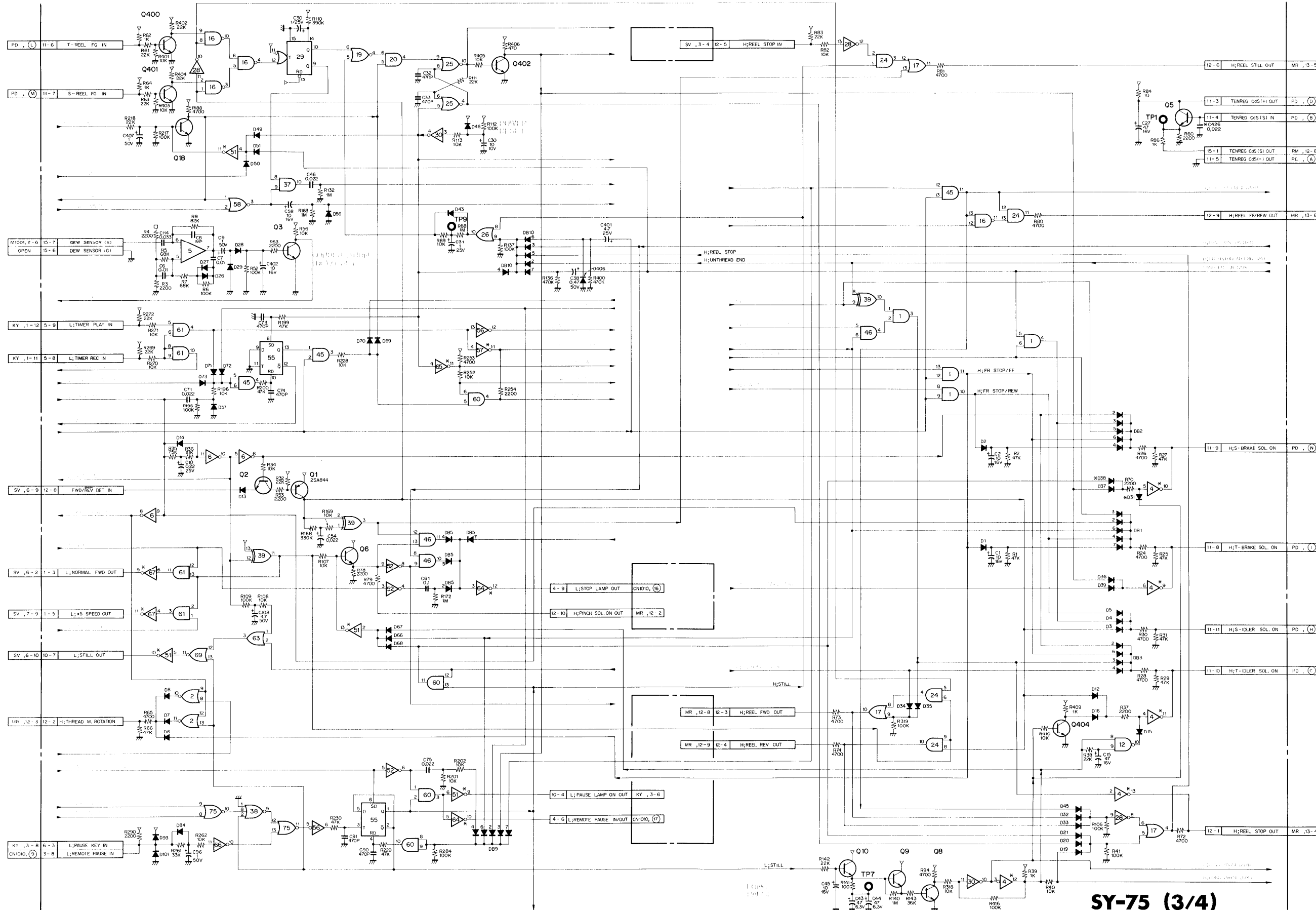
S/N UP TO 18450 (U/C)



NOTE: With () are S/N 10951 and later (U/C).
The shaded and ⚠ -marked components are critical to safety.
Replace only with same components as specified.

SY-75 (3/4)
(SYSTEM CONTROL)

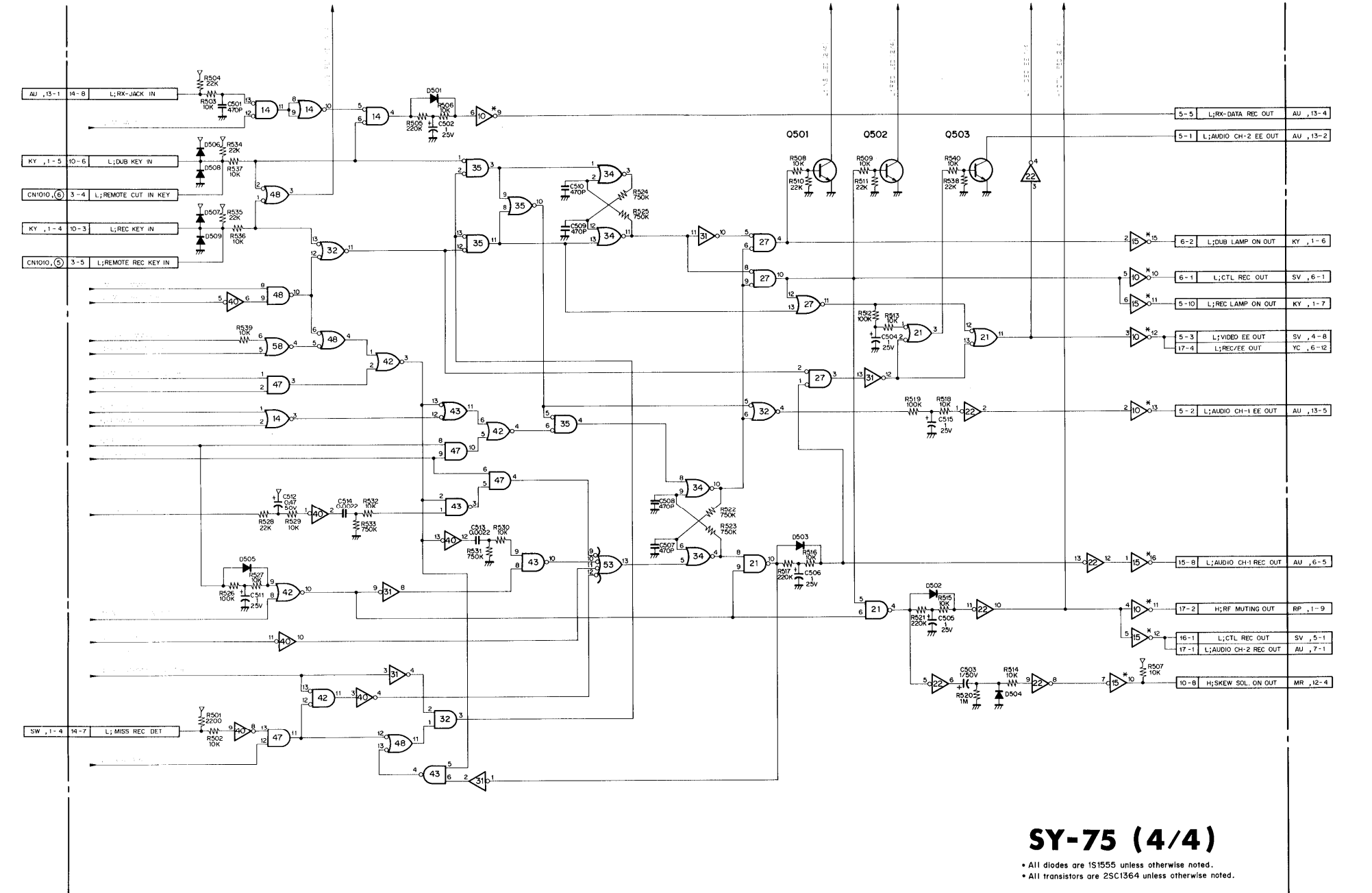
S/N UP TO 18450 (U/C)



SY-75 (3/4) SY-75 (3/4)

SY-75 (4/4)
(SYSTEM CONTROL)

S/N UP TO 18450 (U/C)



SY-75 (4/4)

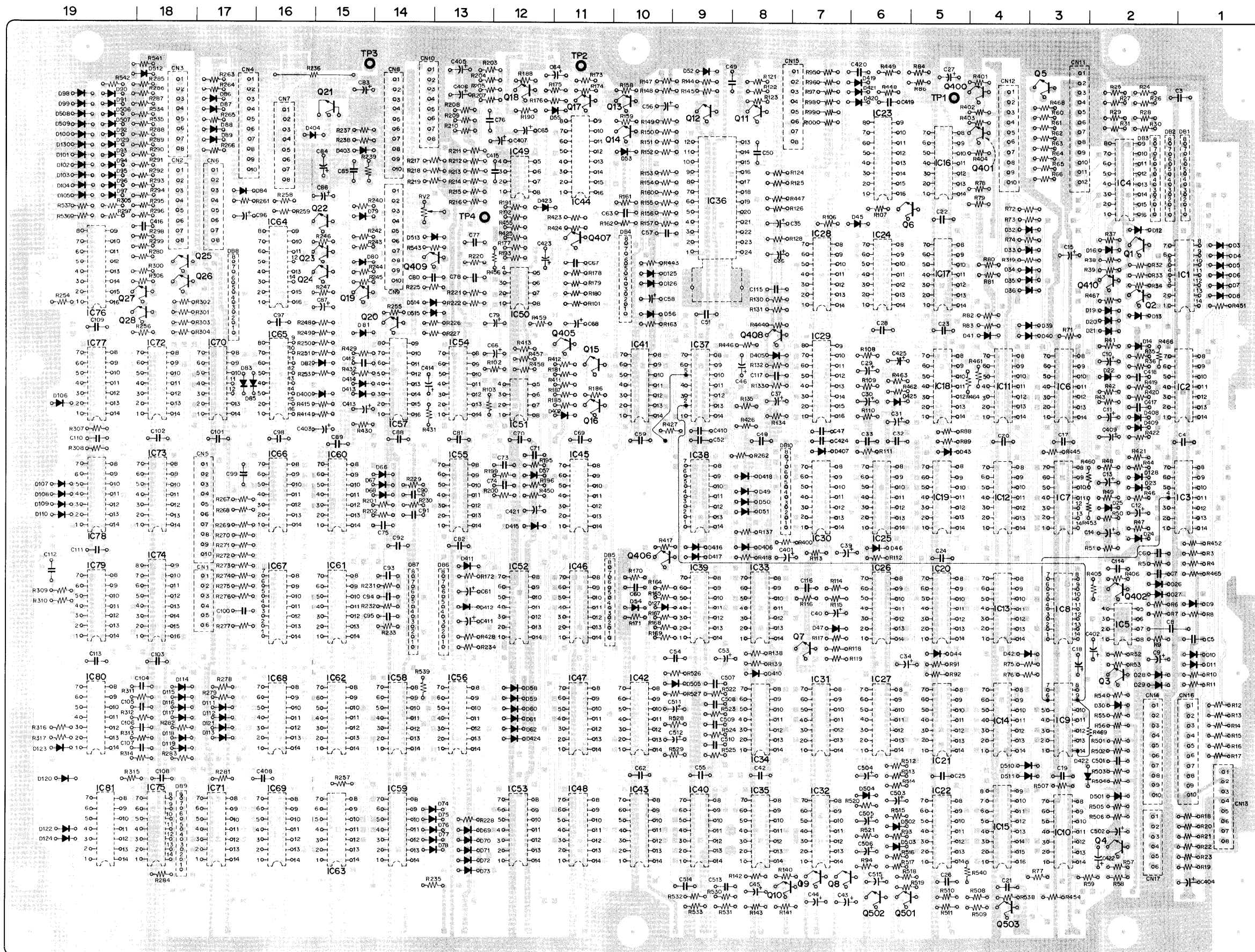
* All diodes are 1S1555 unless otherwise noted.
* All transistors are 2SC1364 unless otherwise noted.

NOTE: The shaded and Δ -marked components are critical to safety.
Replace only with same components as specified.

SY-75 (3/4)

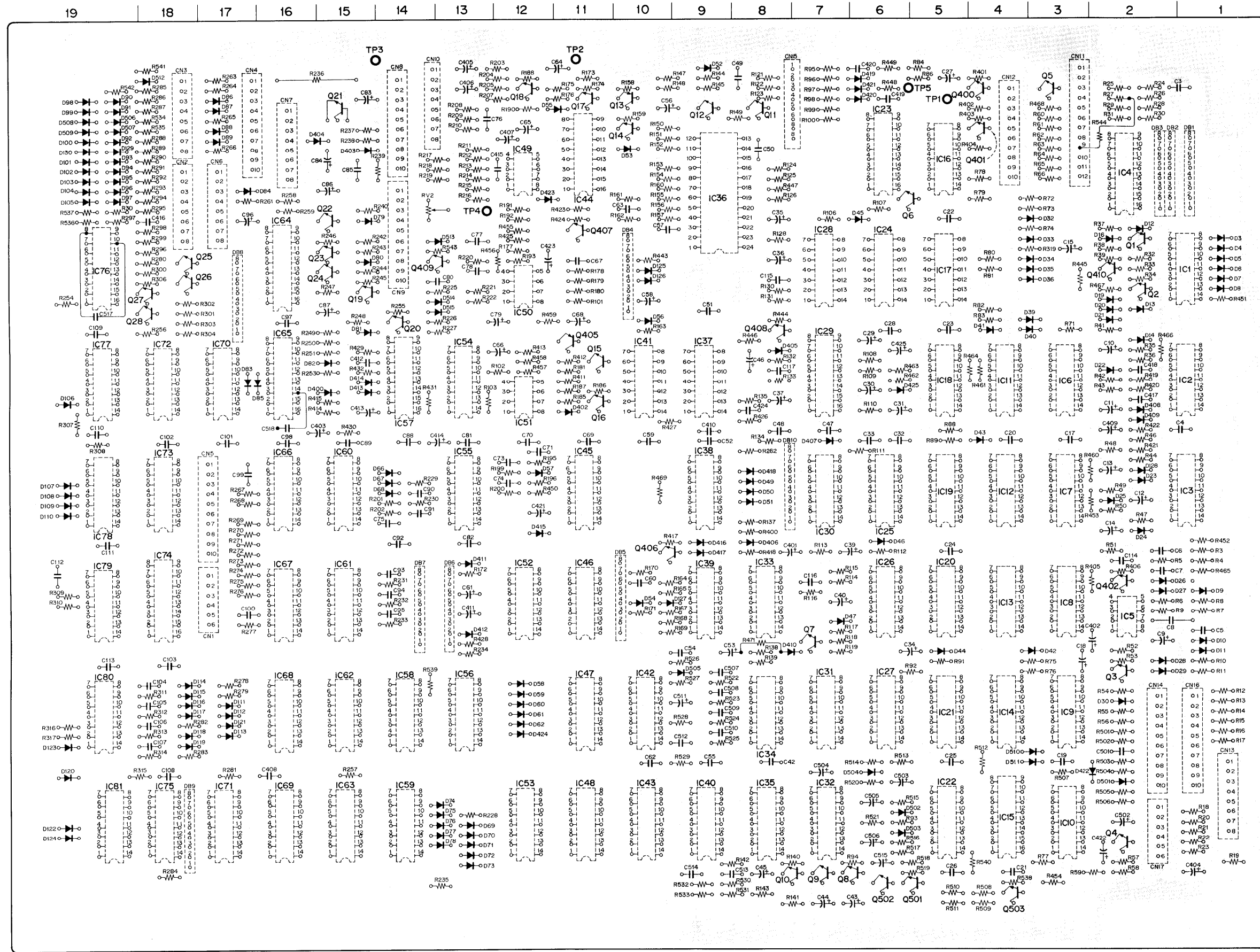
* All diodes are 1S1555 unless otherwise noted.
* All transistors are 2SC1364 unless otherwise noted.

S/N 18451 TO 21850 (U/C)



SY-75 (SYSTEM CONTROL)

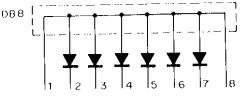
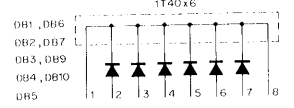
S/N 21851 TO 34950 (U/C)

SY-75 - SOLDERING SIDE -
1-606-368-15
VO-5630

REF. NO.	TYPE	12V PIN	5V PIN	GND PIN
IC1	TC4081BP	14	7	
IC2	TC4001BP	14	7	
IC3	TC4081BP	14	7	
IC4	TC4081BP	14	7	
IC5	TC4081BP	14	7	
IC6	TC4081BP	14	7	
IC7	TC4081BP	14	7	
IC8	TC4081BP	14	7	
IC9	TC4081BP	14	7	
IC10	TC4081BP	14	7	
IC11	TC4081BP	14	7	
IC12	TC4081BP	14	7	
IC13	TC4081BP	14	7	
IC14	TC4081BP	14	7	
IC15	TC4081BP	14	7	
IC16	TC4081BP	14	7	
IC17	TC4081BP	14	7	
IC18	TC4081BP	14	7	
IC19	TC4081BP	14	7	
IC20	TC4081BP	14	7	
IC21	TC4081BP	14	7	
IC22	TC4081BP	14	7	
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IC24	TC4081BP	14	7	
IC25	TC4081BP	14	7	
IC26	TC4081BP	14	7	
IC27	TC4081BP	14	7	
IC28	TC4081BP	14	7	
IC29	TC4081BP	14	7	
IC30	TC4081BP	14	7	
IC31	TC4081BP	14	7	
IC32	TC4081BP	14	7	
IC33	TC4081BP	14	7	
IC34	TC4081BP	14	7	
IC35	TC4081BP	14	7	
IC36	TC4081BP	14	7	
IC37	TC4081BP	14	7	
IC38	TC4081BP	14	7	
IC39	TC4081BP	14	7	
IC40	TC4081BP	14	7	
IC41	TC4081BP	14	7	
IC42	TC4081BP	14	7	
IC43	TC4081BP	14	7	
IC44	TC4081BP	14	7	
IC45	TC4081BP	14	7	
IC46	TC4081BP	14	7	
IC47	TC4081BP	14	7	
IC48	TC4081BP	14	7	
IC49	TC4081BP	14	7	
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IC55	TC4081BP	14	7	
IC56	TC4081BP	14	7	
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IC58	TC4081BP	14	7	
IC59	TC4081BP	14	7	
IC60	TC4081BP	14	7	
IC61	TC4081BP	14	7	
IC62	TC4081BP	14	7	
IC63	TC4081BP	14	7	
IC64	TC4081BP	14	7	
IC65	TC4081BP	14	7	
IC66	TC4081BP	14	7	
IC67	TC4081BP	14	7	
IC68	TC4081BP	14	7	
IC69	TC4081BP	14	7	
IC70	TC4081BP	14	7	
IC71	TC4081BP	14	7	
IC72	TC4081BP	14	7	
IC73	TC4081BP	14	7	
IC74	TC4081BP	14	7	
IC75	TC4081BP	14	7	
IC76	TC4081BP	14	7	
IC77	TC4081BP	14	7	
IC78	TC4081BP	14	7	
IC79	TC4081BP	14	7	
IC80	TC4081BP	14	7	
IC81	TC4081BP	14	7	

SY-75 (SYSTEM CONTROL)

S/N 34951 AND LATER (U/C)



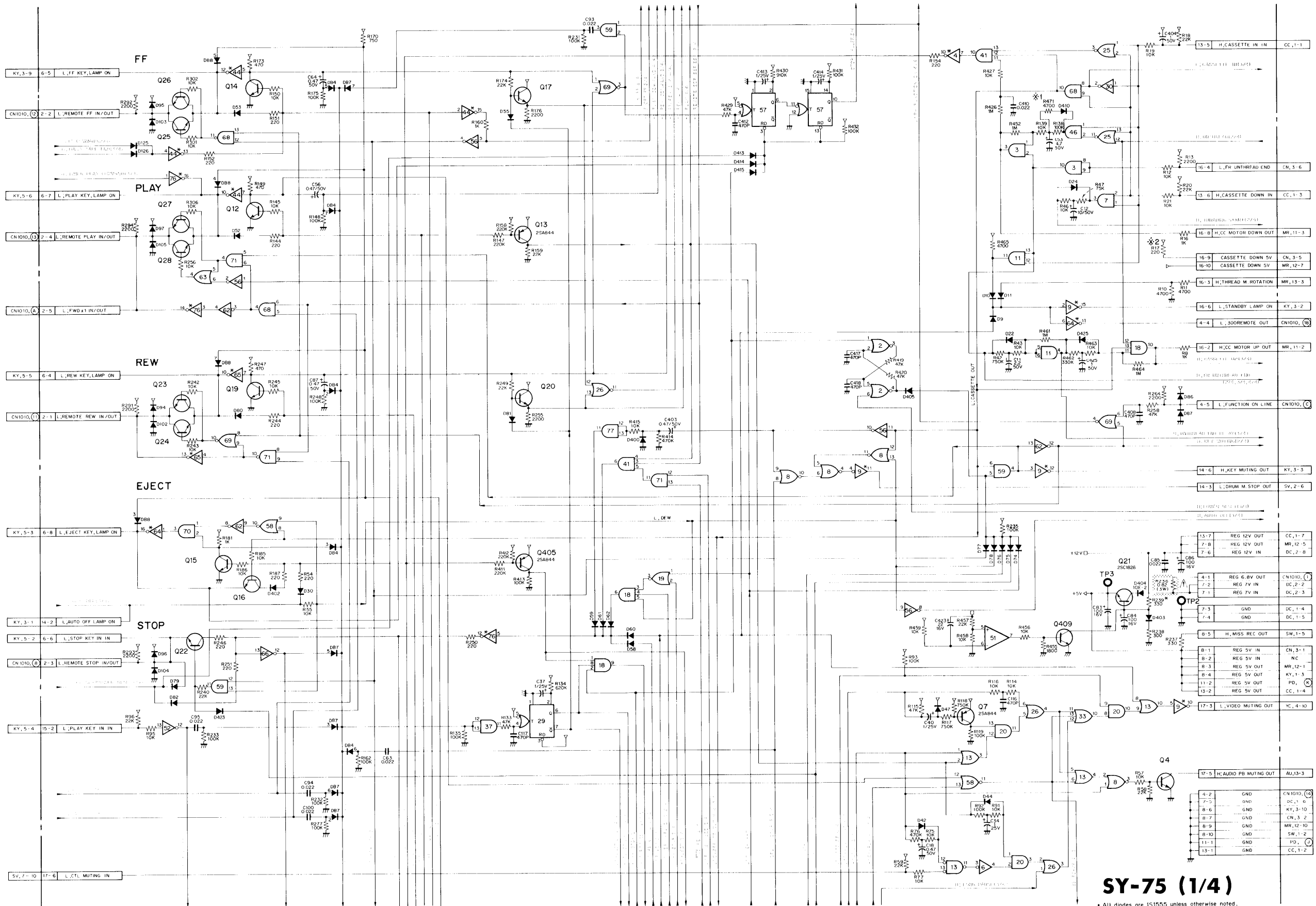
REF. NO.	TYPE	12V PIN	5V PIN	GND PIN
IC1	TC4081BP	14	7	
IC2	TC4001BP	14	7	
IC3	TC4081BP	14	7	
IC4	TD62302P	9	8	
IC5	μPC4558C	8	4	
IC6	TC4069UBP	14	7	
IC7	TC4081BP	14	7	
IC8	TC4001BP	14	7	
IC9	M54529P	14	7	
IC10	M54529P	14	7	
IC11	TC4081BP	14	7	
IC12	TC4011BP	14	7	
IC13	TC4071BP	14	7	
IC14	TC4001BP	14	7	
IC15	M54519P	14	7	
IC16	TC4011BP	14	7	
IC17	TC4071BP	14	7	
IC18	TC4073BP	14	7	
IC19	TC4001BP	14	7	
IC20	TC4081BP	14	7	
IC21	TC4011BP	14	7	
IC22	TC4069UBP	14	7	
IC23	TC4020BP	8	16	8
IC24	TC4081BP	14	7	
IC25	TC4001BP	14	7	
IC26	TC4071BP	14	7	
IC27	TC4001BP	14	7	
IC28	TC4069UBP	14	7	
IC29	HD14538BP	16	8	
IC30	MC145484CP	14	7	
IC31	TC4069UBP	14	7	
IC32	TC4081BP	14	7	
IC33	TC4075BP	14	7	
IC34	TC4001BP	14	7	
IC35	TC4001BP	14	7	
IC36	CX757	14	7	
IC37	TC4081BP	14	7	
IC38	TC4025BP	14	7	
IC39	TC4030BP	14	7	
IC40	TC4069UBP	14	7	
IC41	TC4073BP	14	7	
IC42	TC4001BP	14	7	
IC43	TC4011BP	14	7	
IC44	TD62302P	9	8	
IC45	TC4081BP	14	7	
IC46	TC4081BP	14	7	
IC47	TC4081BP	14	7	
IC48	TC4011BP	14	7	
IC49	NJM2930D	4	4	
IC50	NJM5580-D	4	4	
IC51	μPC4558C	8	4	
IC52	TC4069UBP	14	7	
IC53	TC4012BP	14	7	
IC54	TC4011BP	14	7	
IC55	TC4013BP	14	7	
IC56	TC4069UBP	14	7	
IC57	HD14538BP	16	8	
IC58	TC4001BP	14	7	
IC59	TC4081BP	14	7	
IC60	TC4081BP	14	7	
IC61	TC4081BP	14	7	
IC62	TC4069UBP	14	7	
IC63	TC4071BP	14	7	
IC64	TD62302P	9	8	
IC65	TD62302P	9	8	
IC66	TC4069UBP	14	7	
IC67	M54529P	14	7	
IC68	TC4011BP	14	7	
IC69	TC4001BP	14	7	
IC70	TC4081BP	14	7	
IC71	TC4081BP	14	7	
IC72	TC4013BP	14	7	
IC73	TC4073BP	14	7	
IC74	TC4520BP	16	8	
IC75	TC4001BP	14	7	
IC76	TD62302P	9	8	
IC77	TC4081BP	14	7	
IC78	TC4025BP	14	7	
IC79	TC4069UBP	14	7	
IC80	TC4001BP	14	7	
IC81	TC4081BP	14	7	

SY-75 - SOLDERING SIDE -
1-606-368-18
VO-5600
VO-5600

SY-75 (1/4) SYSTEM CONTROL

S/N 18451 AND LATER (U/C)

MARK	CHANGE INFORMATION	SERIAL NO.
✱1	R471 470K ADDED	VO 5600 U.C. 22351 ~ " J. 11101 ~ VO 5630 AEP. 22341 ~ " UK. 12811 ~ " U.C. 10401 ~
✱2	R17 330 → 220	VO 5600 U.C. 28451 ~ " J. 11801 ~ VO 5630 AEP. 28441 ~ " UK. 13811 ~ " U.C. 10501 ~



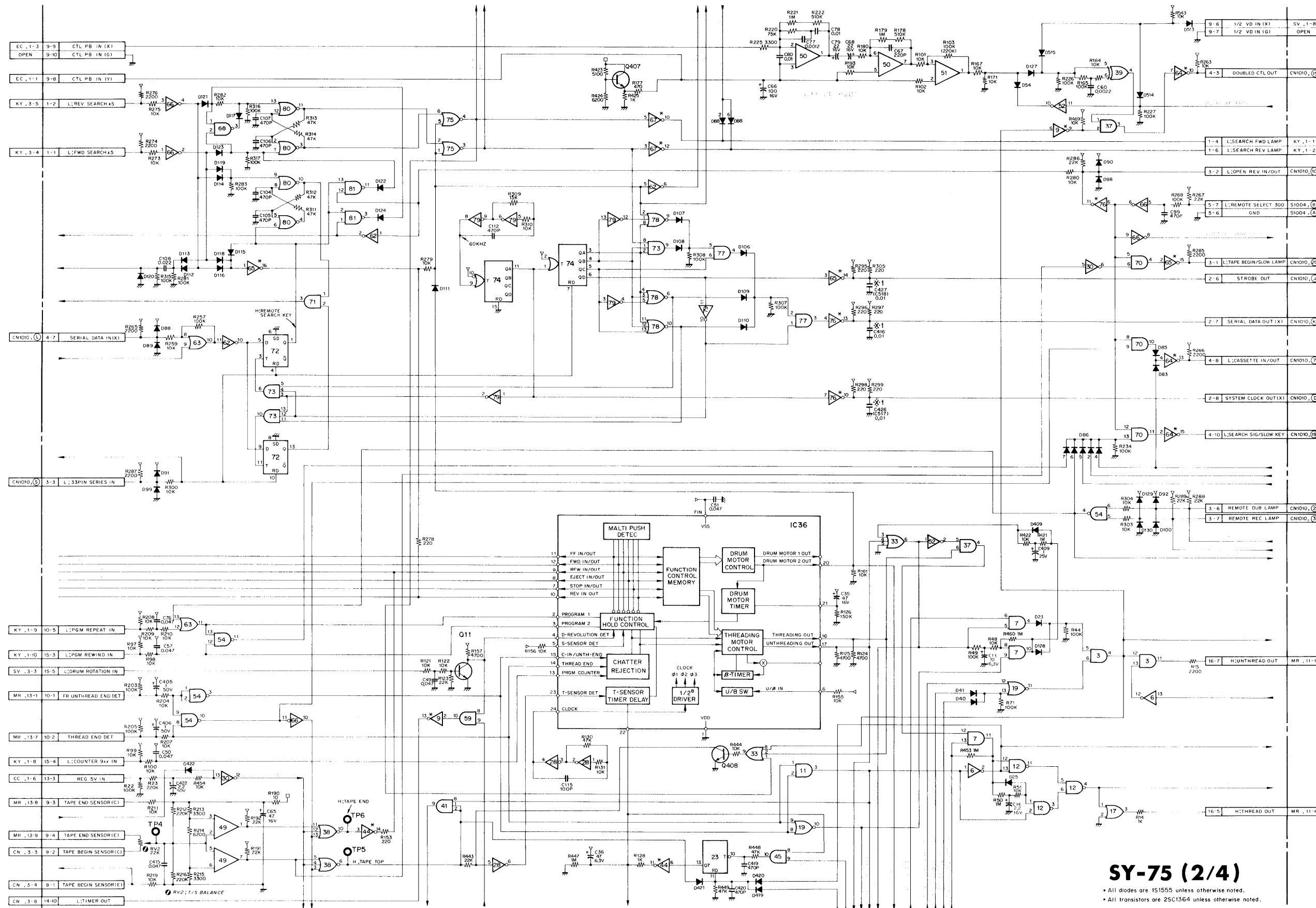
SY-75 (1/4)

• All diodes are 1S1555 unless otherwise noted.
• All transistors are 2SC1364 unless otherwise noted.

NOTE: The shaded and -marked components are critical to safety. Replace only with same components as specified.

S/N 18451 AND LATER (U/C)

NOTE:		
MARK	CHANGE INFORMATION	SERIAL NO.
X1	C416 0.001 ~ 0.01	VO 5600 U/C: 21851 ~
	C426 (C517) 0.01	" J: 11101 ~
	C427 (C518) ADDED	VO 5630 AEP: 22341 ~
		" UK: 12811 ~
		" U/C: 10301 ~



SY-75 (2/4)

- All diodes are 1S1555 unless otherwise noted.
- All transistors are 2SC1364 unless otherwise noted.

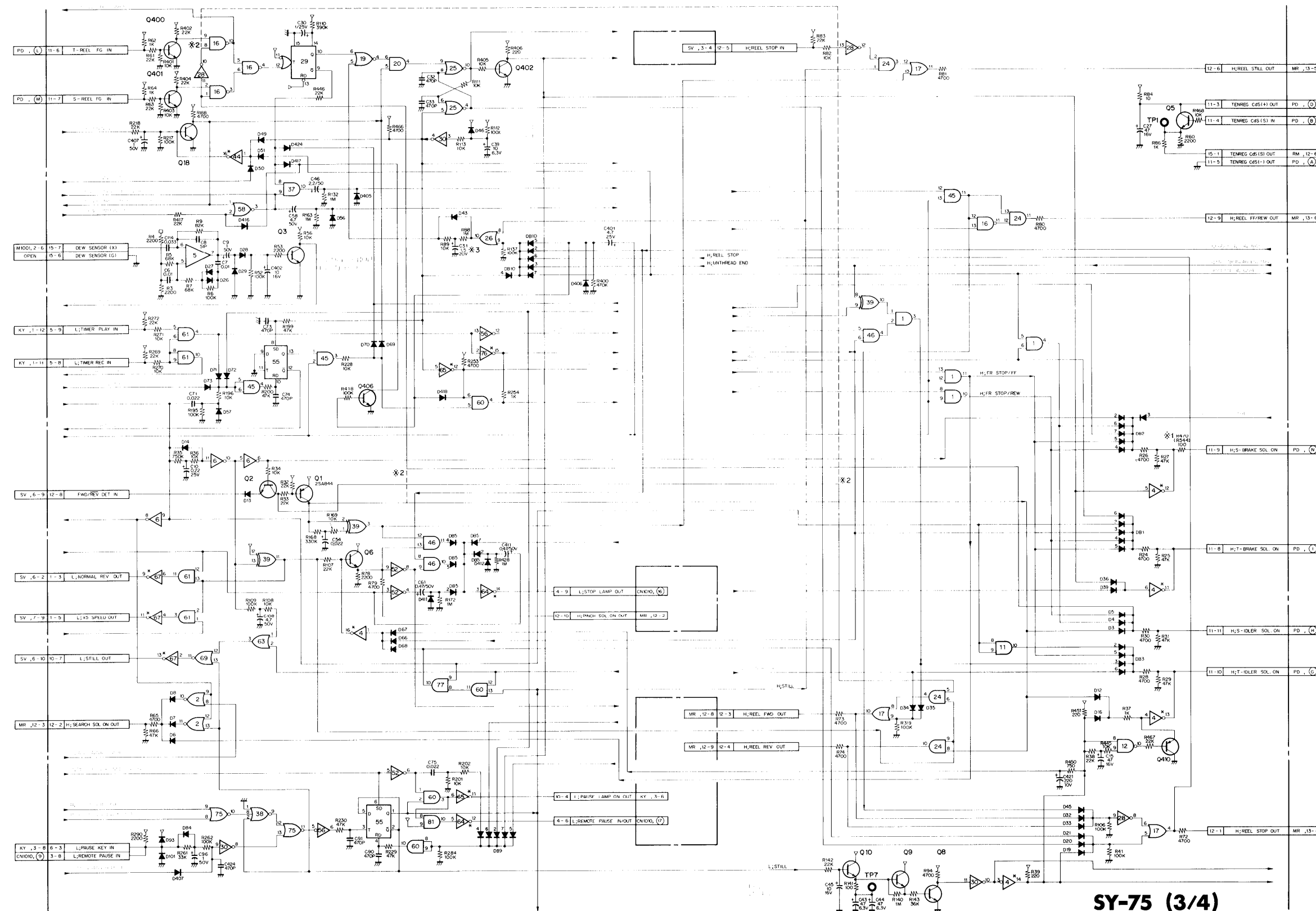
NOTE: The shaded and -marked components are critical to safety.
Replace only with same components as specified.

SY-75 (3/4)

SY-75 (3/4) (SYSTEM CONTROL)

S/N 18451 AND LATER (U/C)

NOTE:		
MARK	CHANGE INFORMATION	SERIAL NO.
✕1	R470 100 ADDED (R544)	VO 5600 U/C 21851 ~ " J: 11101 VO 5630 AEP 22341 ~ " UK: 12811 " U/C: 10301
	CHANGED CIRCUIT	VO 5600 U/C 34951 ~ " J: 12201 VO 5630 AEP 31641 ~ " UK: 14111 " U/C: 10601
	C31 1/25 → 1.5/20	VO 5600 U/C 41201 ~ " J: 12401 VO 5630 AEP 30341 ~ " UK: 15111 " U/C: 10701

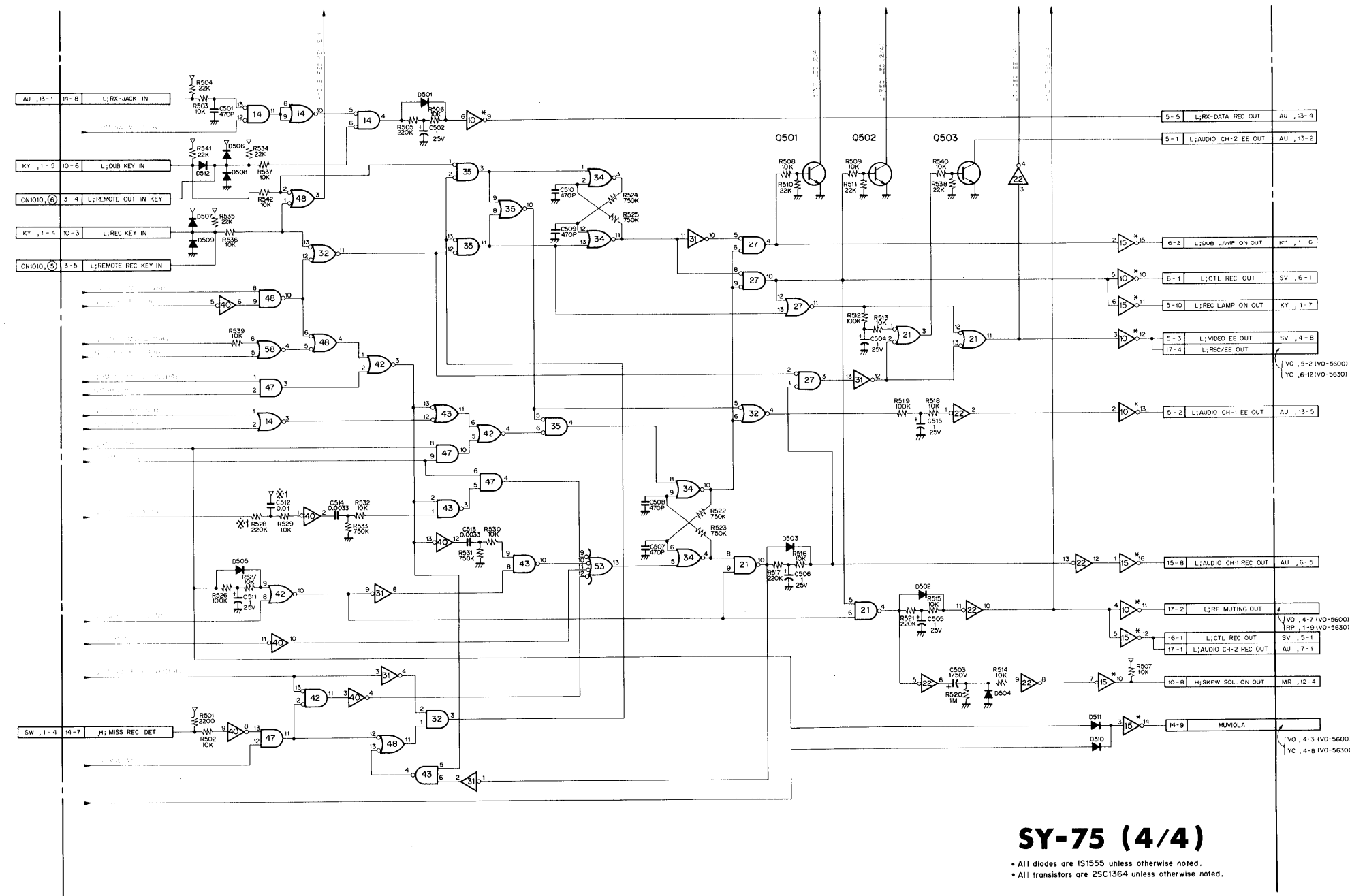
**SY-75 (3/4)**

- All diodes are 1S1555 unless otherwise noted.
- All transistors are 2SC1364 unless otherwise noted.

SY-75 (4/4) (SYSTEM CONTROL)


S/N 18451 AND LATER (U/C)

NOTE:		
MARK	CHANGE INFORMATION	SERIAL NO.
x1	C512 0.47/50V → 0.01	VO 5600 U/C: 21451 ~
	R528 22K → 220K	" J: 11001 ~
		VO 5630 AEP: 21341 ~
		" UK: 12811 ~
		" U/C: 10301 ~



SY-75 (4/4)

- All diodes are 1S1555 unless otherwise noted.
- All transistors are 2SC1364 unless otherwise noted.

NOTE: The shaded and -marked components are critical to safety.
Replace only with same components as specified.